

THE  
ANTIQUE  
RADIO  
GAZETTE



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NO. 2



SEE CENTERFOLD FOR FEATURE ARTICLE



The Antique Radio Gazette is the official publication of The Antique Radio Club of America, Inc. If you would like to publish an article or series of articles in The Gazette, or have questions pertaining to the publication of The Gazette, contact one of the following associate editors:

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Regardless of the month in which you joined ARCA, renewal dues are payable in January.

**ONE YEAR** dues — **\$12.00 U.S.** in USA/Canada/Mexico, **\$14.00 U.S.** in all other countries

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New membership card will be mailed to you with next Gazette following receipt of payment.



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 Plus All Of The Regular Articles





# President's Page



There is so much to report to you, but too little time before the deadline. By now many of you have had time to figure out that something happened that was a little different in the last issue. First of all, I would like to connect the cover picture with the story that started on page 33. Some wondered if that was a caricature of ex-president Jimmy Carter.

Over the years we all have taken the Gazette pretty much for granted. None of us will do that again. We now have several people working to do what John and Ruth Drake did much of by themselves. We are looking even yet for a few more volunteers. There is so much that the Gazette can offer, but it takes the efforts of all members, whether or not you are called upon or not, to make this news journal possible.

We hope you like what we have done with this issue. The "Ye Old Swap Shop" has grown - there is more color - additional articles (for which we thank Jerry and Marsha Simkin for working to pull this together).

We had a few errors this past issue, but never having done a publication like this before, I was just a little out of my field; however we made it. I received many calls and letters of encouragement and some very good constructive criticism. Some of you might think if you offer suggestions of criticism, this being an all-volunteer effort, I might get mad and quit. That is not

the case. This is your magazine and we are all in this together. There may be reasons we cannot incorporate your idea, but this issue contains at least thirty changes that have been suggested by the membership alone. Let's make it the best in the trade.

Report - ARCA '91 - Timonium, Maryland:

For the few hundred who made it, I do not have to tell you, but the rest of you missed a very good show. The Mid-Atlantic Antique Radio Club left out nothing to make sure everyone saw at least one thing they would never forget.

Starting Wednesday afternoon, it was non-stop for the show staff to keep up with all the changes that occurred, with the meeting rooms, tours and trader's market. I talked to some on Saturday evening who said they had not had a full nights sleep all week - often only two or three hours. One period I went 24 hours with maybe three or four hours rest.

We registered the largest convention ever in ARCA's history. In that we register only one member of a family and only one person to a vendor display, the figures we give represent the true member attendance. Some 201 registered with 80 vendors on display at one time or another during the three days. With all who attended, it would have exceeded 400 dedicated wives, children and guests. The Trader's Market saw, I am sure,



thousands of dollars change hands. The auction, under the expert leadership of Ed Lyon and professional auctioneer Debbie Pack, was the best handled and most entertaining I have ever attended. Over 224 items were auctioned off, paid for and sellers received their money in 5½ hours -a record for ARCA. Over 150 auction paddles were sold for attendance, as well as many spectators looking on.

There were over 50 people working on the show staff and all you can say is a blanket "thanks". That seems a little cold. To each there was a reward as he or she saw their part come together and be touched by so many. As there is in any event, some one person makes an impression that all notice. This show was no different. A young lady was brought to me by Joe Koester and said she needs something to do. All staff positions were filled at the moment, except for the Trader's Market Police. Now this is

a harrowing job in the hot sun, 12 hours per day for 2½ days. I looked at her and thought to myself "is this fair to ask of her", and that little bit of devil in me says "yah, go ahead". For several years Steve Snyderman and Dave Manning (two big husky 6' plus 200 pounders) have performed this task. Anyway, I give her a Show Official badge, put her name on it, with police written under her name, a clipboard and away she goes. Ron Frisbee is still working on Trader's Market registration tabulations - some of you guys paid 3 times. One fellow came to the registration desk and said this cute little gal asked me for \$13.00 and I gave it to her without asking what it was for. Can you tell me?

With all seriousness, I have fired Steve and Dave and Shirley Wimer is now in charge of Police Patrol.

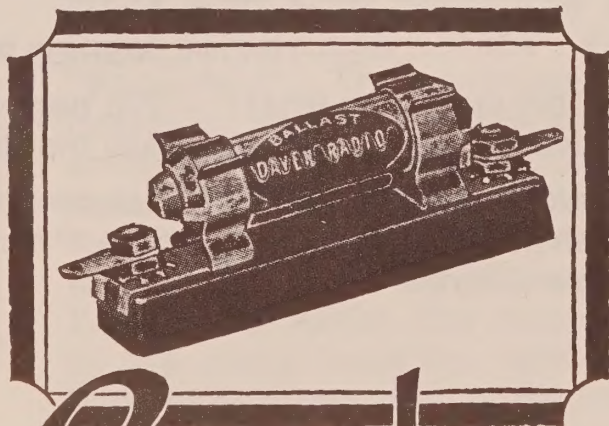
Thanks to all for your hard work and dedication so that all could take home so many fond memories.

## The DAVEN BALLAST

You never need to worry about your automatic filament controls again—no danger of burning out—no possibility of changing characteristics, after you have changed to the Daven Ballast.

Make your last change now—or better yet put Daven Ballasts in the new set you are building, with the positive knowledge that they will still be as good as new after the set has been discarded.

*Made in ¼, ½, ¾, and 1 and 1¼ amperes and supplied either with or without the special mounting illustrated.*



# Good for LIFE!



# THE HALLICRAFTERS STORY

## 1933 — 1975

by Max de Henseler  
HB9RS

Looking back to the past is often a symbol of decline. But at a time when American radio manufacturers have almost completely disappeared from the amateur radio world market, the mind seeks refuge in a glorious past.

Collectors have developed a deep nostalgia for the 'good old days', when the brand names of American manufacturers were household words for the amateur radio world community. The sky was the limit, and the conquest of the skywaves by "riding" or "defying" them was the "challenge" of the Hallicrafters.

This historical review was undertaken from an amateur radio and collector's point of view, and, accordingly, it covers the range of communications equipment that was used by amateur radio operators, mainly short wave communications receivers, main transmitters and transceivers. It is not intended to cover the whole production of the Hallicrafters Co., and dozens of models have intentionally been left out.

MAX DE HENSELER

### THE HALLICRAFTERS STORY

1933-1975



### OVER TWO HUNDRED PHOTOS

This very large 8½x11 — 278 page book is a must for every collector and especially the Hallicrafter buff.

We are able to offer this book for only **\$14.95** plus **\$2.00** shipping USA, **\$5.00** all others. Proceeds from this sale benefit your club.

#### ORDERING INFORMATION

**MAKE CHECKS PAYABLE TO:**

**ANTIQUE RADIO CLUB OF AMERICA, INC.**  
**312 South 10th Street**  
**Akron, PA 17501**



## A VERY SPECIAL

### NOTE OF APPRECIATION

One's dedication to his vocation can and often does lead one to his hobby. When one's dedication to the preservation of the history of radio leads him to publish a book on the subject, then all of us as collectors, and those of us who are historians, are left with a very special gift.

Here we begin with different story. This one is about a gentleman by the name of Max DeHensler HB9RS. Mr. DeHensler has just published a book on the history of Hallicrafters. I refer you to Bill Denk's book review on this page. The hundreds of hours of time, the cost of printings one can only imagine. Very few people can only dream of such an undertaking. Mr. DeHensler has done more than overcome the difficulties in this timely and costly adventure and has gone one big step further — he has dedicated this book to your club and turned over this fine publication for your club to sell, with all of the proceeds donated to ARCA. He has underwritten the entire cost and is asking nothing in return. He feels the radio industry has given him so much and he wants to return part of that to history.

The officers, board of directors and membership are forever grateful for this very unselfish gift to our great cause, the dedication to the preservation of radio history.

## BOOK REVIEW

### "THE HALLICRAFTERS STORY 1933 - 1975"

By Max DeHensler, HB9RS. Copyright 1991 by The Antique Radio Club of America, Inc. 278 Pages. 8½ by 8½ inches. Soft Cover

In his Preface, ARCA member and author Max DeHensler states that he undertook the writing of this book from the viewpoint of the collector and amateur radio operator. It covers the range of Hallicrafters communications equipment that was used by amateur radio operators, including short-wave receivers, transmitters, and transceivers. Certain of the receivers were also favorites of short-wave listeners.

When a preliminary scan of the book revealed that it covered over 150 models, it came as a surprise when the author revealed that "dozens of models have been intentionally left out". Clearly, Hallicrafters produced a much wider line of equipment than one might suspect based on merely acquaintance with such references as Rider, "Most-Often-Needed", and "Photofact". That substantial interest in these old radios exists among collectors of antique radios became evident to this Reviewer during the fifteen years that he and wife Jane served as Secretary/Treasurer of ARCA. Our response to the many inquiries received from the public requesting information on Hallicrafters products would have been greatly facilitated had this book been available then! Unlike such manuals as Rider, this is **not** just a compilation of schematic diagrams. It is a well-illustrated, readable, mini-history



of radio centered on the Halli-crafters firm. The product descriptions, starting with the S-1, include good narrative, pictures, schematics and reproductions of advertisements. One 1935 model was evidently a joint product of Montgomery Ward and Halli-crafters. The former sold it at \$52.95 under the name "Airline Professional Model 37", the latter under the name "Super Seven". It covered the standard broadcast band, all short-wave broadcast bands, and amateur 20, 40, 75 and 160 meters.

This soft cover book can be obtained at the surprisingly low price (these days!) of \$14.95 plus \$2.00 shipping from ARCA, 312 South 10th Street, Akron, PA 17501. Cost was held down through the use of a photo-offset printing process that goes essentially directly from the author's typewritten manuscript to the final printed page.

Chapter 1 is a twenty-page history of the firm and its founder, William Joseph "Bill" Halligan, with whom Max enjoyed a long friendship, and who gave Max many interviews during preparation of the book. The reader will find this book to be well illustrated, with pictures of personalities and products, as well as schematics.

The book is divided into four major time periods. The first deals with "The Golden Age of Radio, 1933-1941", beginning with the three "Skyrider" models of 1934 and on through Skyrider SX-32. Then come "The War Years, 1941-1945" when, at first, it was business as usual for many radio activities until Pearl Harbor. But Halli-

crafters began its war production in 1940 with the supply to British and American troops of communications equipment. In 1942 Halli-crafters was producing the BC669 receiver/transmitter, part of the SCR543 marine radiotelephone unit. After the war it was known as the Hallicrafters "Commodore HT-14".

This period was followed by "The Post-War Era 1946-1966", a period in which Hallicrafters, while continuing to produce equipment for the Department of Defense, expanded its product line into the entertainment field, including TV, HiFi and electronic organs. But intense competition resulted in a decision to leave the consumer market in 1959 and to increase operations in the military and amateur radio fields. These twenty years saw many technological improvements such as Single Side-band (late forties), printed circuits (early fifties), and the transistor (late fifties). The Model FPM-200, a transistorized transceiver was introduced in 1959. This period ends in 1966 when negotiations began for a possible merger between Hallicrafters and Northrop Corporation. Approval of the merger by stockholders of both companies came in December of that year. Unhappily, that date marks the beginning of a rapid decline in the production of Hallicrafters' amateur radio equipment. One of its last contributions to amateurs was the HT-46 5-band transmitter and its mirror image, the SX-146 receiver. Although Halli-crafters had introduced its transistorized FPM-200 transceiver in 1959, the HT-46/SX-146 duo employed vacuum tubes!



The final major section of the book, "The Northrop-Wilcox Production 1967-1975", during which Hallicrafters operated as a subsidiary of the parent company, covers only six pages and eight products. The last was the FPM-300, a compact SSB/CW transceiver. It was rated at 250 watts P.E.P. and covered all amateur bands from 80 to 10 meters, a fitting finale, indeed.

Bill Denk, W3IGU

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Re article **'My Rare Find . . . A Mickey Mouse Radio'** by George Hausske

We are pleased to confirm Mr. Hausske's conclusion regarding the 'Mickey Mouse' radio he describes in his article.

The maker is Gerald L. Wells, Curator and Founder of the Vintage Wireless Museum, 23 Rosendale Road, West Dulwich, London SE21 8DS. Mr. Hausske's set was made in 1984 and was one of twelve only.

Gerald is famous for his reproductions as well as for his Museum. He has made well over a hundred 'Peter Pan' sets, twelve 'Snow White' and is currently at work on his sixth 'Clarion'. These sets are rapidly increasing in value. They were bought originally by people wanting a 'classic' set but could not afford a real antique. Gerald sold them at a price that did not give a true return on the hours spent. In the case of the 'Mickey Mouse' sets he incurred a serious loss because some 'buyers' defaulted.

Gerald signed and dated his work. The 'Mickey Mouse' sets were signed, dated and given a serial number. Perhaps Mr. Hausske can spot signs of erasure.

We hope Mr. Hausske will enjoy his set at least as much as if it were what he first expected. Certainly it is, as he said, rarer. Gerald offers to sign the set, again, if ever it can be brought to England.

We of the BVWS send greetings to our fellow enthusiasts.

Yours sincerely,  
'Dave' Adams  
Information Officer  
69 Silver Lane  
West Wickham  
Kent BR4 ORX  
England

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## NEW CLUB FORMING

CAMPBELL, HALL NY.—The newly formed Hudson Valley Antique Radio and Phonograph Society is seeking new members.

The Society's goal is to help its members share their interests with others who have a desire to preserve and enjoy antique radios, phonographs and related items.

The Society is in the process of planning future membership meetings, educational programs and swap meets. For more information, please call John or Linda Gramm at (914) 427-2602 or Geoff or Judy Shepherd at (914) 561-0132.



## METAL TUBES

### Radio: As I Experienced It — Chapter Nine

*Bill Hoy*

When any potential new product is designed, before tooling for production starts, many hand-made prototypes are constructed. Those prototypes are subjected to the same tests for performance as expected of the product. First design prototypes of most screen-grid radios failed those tests for stability. If there is one thing that causes a designer sleepless nights, it is an unstable product of his design. Just a few examples can send him job-hunting. I know, because I have experienced some of those nights.

Because of the very high gain of even the earliest screen-grid tubes, engineers designing those first new sets to use screen-grid tubes, found they had to go back to the drawing board and carefully isolate the different radio-frequency stages one from the other. Without this form of construction, "feedback" from one part to another and from one tube to another, would cause erratic operation and oscillation. This isolation was accomplished, in most early designs, by enclosing each of those stages in a separate completely closed compartment, with a top cover that could be removed for tube replacement. The tuning capacitors were greatly improved, by carefully grounding the tuning shaft and providing shielding enclosures. They were located close to, but outside the compartments. I remember Crosley sets of that time used pressed-steel compartment covers with ventilating

louvers, and a large knurled nut was used to fasten each cover on its compartment. The tuning capacitor was fitted with the same type cover, held tightly in place by several machine screws.

The manufacturer's top-of-the-line-sets were the console jobs. Not many consoles were sold before manufacturers received complaints about the difficulty of replacing tubes. Those early screen-grid sets used flat "wafer" sockets. You can imagine the frustration of spending five minutes to find the pin-openings in a socket, in a deep space only about half an inch larger than the tube, while reaching into a console cabinet with its top only about six inches above the top of the metal compartment. You had the same problem if you used the Weston Selective Servicer Unit and Socket Selector, as I did as soon as it was announced. I wonder how many of the older readers will be reminded of the times they pulled the grid-cap from a tube, while trying to use that cap to pull the tube from one of those sets, and had to supply a replacement tube free of charge? Some servicemen would convince the set owner the pulled-off tube-cap was part of the problem, and charged for the replacement tube.

Sooner or later, to stop the complaints, all set-makers went to individual shielding for tubes, and for any other components that needed shielding. This, in its turn, led to new problems. The radio



owner, or a serviceman, would remove and replace a worn tube while looking for some problem, then forget to replace the tube-shield. The set would seem to operate properly without the shield, and the owner would discard the shield, wondering, all the while, why the maker used a tin cover in the first place. That missing shield would be the cause of some malfunction that sent the set to a shop.

This error was not exclusive to home-set owners. As late as the sixties, while I was a supervisor for the FAA, I found many instances where the failure to replace tube shields had resulted in obscure malfunctions in two-hundred-thousand dollar monitor units used at TACAN sites. This was done in spite of my instructions that all tube-shields removed in servicing equipment were to be replaced in every instance, that the contractor provided them only because they were required for the equipment to perform as it was intended.

Those radio sets with missing shields would always end up with a complaint of some performance fault. For one thing, the tuning alignment was disturbed. My first operation, on each set, was a check for missing shields. When one was mentioned to the owner, the reply was something like, "Oh!, that's been off for a year, the set works fine without it." Almost no one would pay ten cents for the new shield. I finally declined to repair sets when the owner refused to pay for any lost shields at my retail rates.

Grigsby-Grunow, the maker of

"Majestic" sets, began the production of tubes for their sets. Somewhere during their tube-production, they decided to make a change in their tubes to eliminate the "lost tube-shield syndrome". They began coating their tubes with a metallic shielding "paint", of some sort. This was being done in Europe before Majestic began its use as shielding that could not be lost.

Sometime about 1933, the economy of scale principle resulted in a change in tube sockets. You will remember that principle says the more places in a product you can use a given item, the less a single item costs. RCA, a very large producer of both tubes and radio sets, decided the proliferation of new tube types was resulting in excessive production costs for new sets, because almost every new tube required a different socket. They decided to establish a new "standard", where one completely new socket design would provide enough contacts for all the future tubes. That socket would provide a designated terminal number for each tube element, for example socket-terminal 5 would always be the plate terminal of every new tube. The socket would be provided with a central opening for a keyed guide-pin on the new tubes, it was decided that the new tubes would have eight much smaller pins. That decision shows how well the great minds knew how many pins would be used on future tubes.

At the same time, General Electric was looking for something to boost the sale of new radio sets they were planning to manufacture. The designers decided



that all-metal tubes in the new sets would do that, and be their answer to the lost shield problem. GE went to RCA for the new tubes, and it was decided to combine the new tubes with the introduction of the new sockets and tube basing. The new metal tubes, and sockets, were introduced in 1935, with much fanfare. They were, electrically, the same as the ones made for years before, in a steel package.

Those new metal tubes were smaller and easier to work with, but — as always, they brought new problems. The power rectifiers gave many problems; they had open plate structures, enclosed in a perforated metal can. I know of several children being injured when they placed some object through those small openings and contacted the three-hundred volts AC on the plate. New rectifier tubes, with no openings, soon

were announced. In today's society, RCA would have been inundated with law-suits. The power tubes, 6L6 in particular, were subject to instant failure by electrical flashover from the plate to the outer shell, whenever they were operated at high output levels, in equipment designed expressly for them. I was testing 120-watt amplifiers I was designing for Thordarson Transformer Co., and using four 6L6s. The Ken Rad tube company supplied me with cartons of their tubes for test purposes, all they asked in return was a report on each tube. Even though I eliminated the failure problem in my amplifiers, I changed to glass 6L6s as soon as they were available.

With all their faults metal tubes became a success, and continued to be used in new designs until at least 1953.

**NEXT: MAGIC EYES, AND STUFF.**

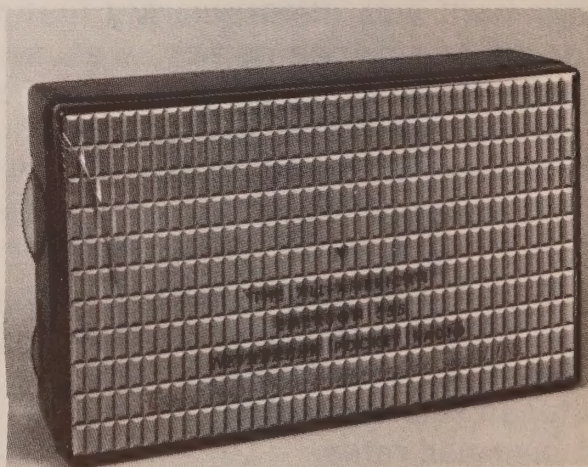
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## TRANSISTOR TOPICS

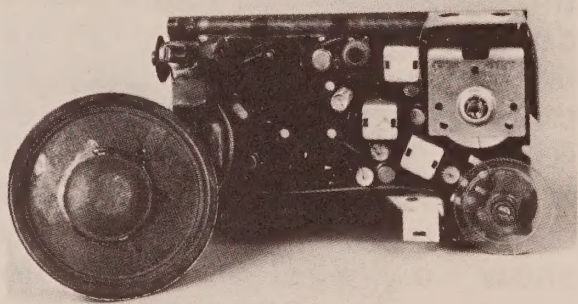
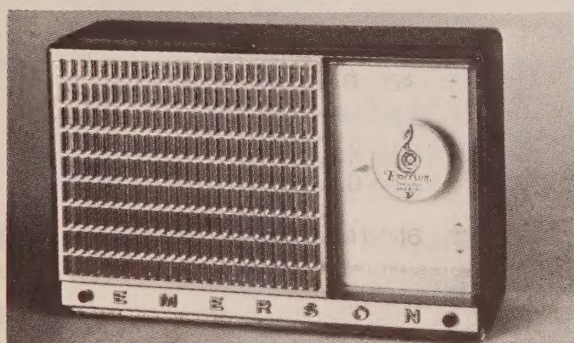
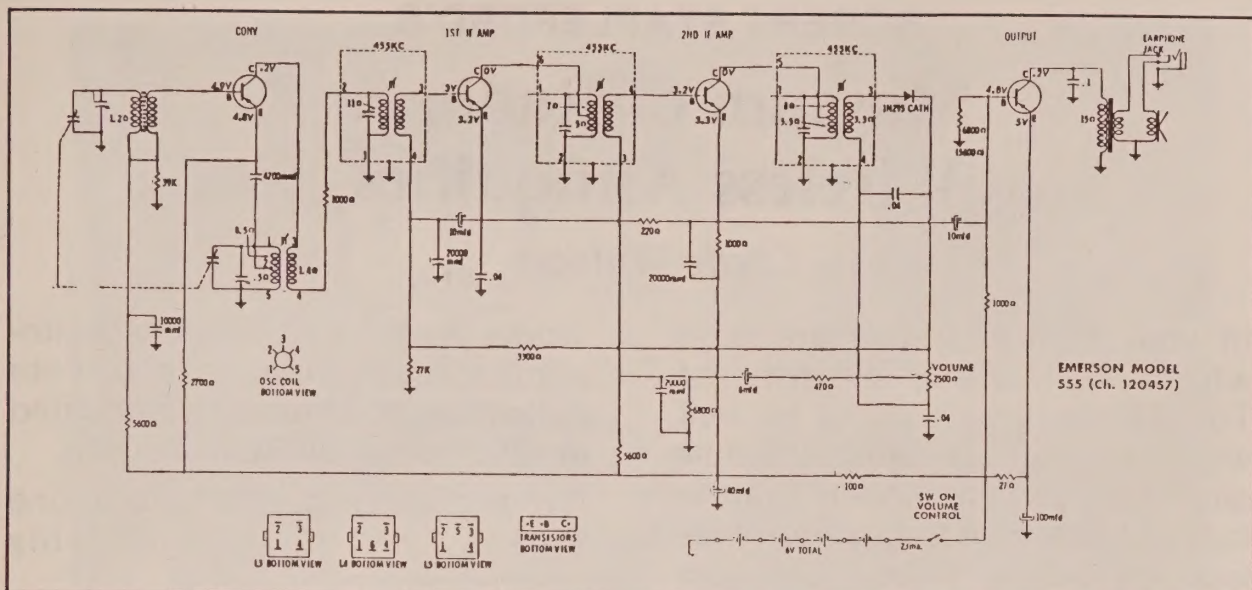
### THE EMERSON MODEL 555 TRANSISTOR RADIO

By Serge Krauss

The title set is a very attractive early transistor radio. The marking on the back is somewhat paradoxical: it reads "THE ALL-AMERICAN" EMERSON 555 NEVABREAK POCKET RADIO. First, the term NEVABREAK is not true as shown by the fractures in the back. However, the rest of the case survived without breakage despite the slippery surfaces. Second, the designation POCKET RADIO is stretching the application of a set measuring 6 X 3¼ X 2 inches and







weighing 1¼ lbs. It will barely fit a sagging jacket pocket but it probably would fit a heavy overcoat pocket for use at a winter football game.

The 555 case is glossy black plastic with gold-tone decor transparent front and back covers. The dial is reverse etched brass with a light gold-tone background. The speaker grill is backed with nice gold-tone cloth. Direct tuning is easy with a two inch thumb-wheel. An earpiece jack is included. The set uses four AA cells with a clever plastic insertion tube. The circuit-board assembly is held by a case slot on one end and single screw on the other. Screws mounting the speaker to the circuitboard have

plastic washers to prevent contact with the circuitry foil. The components are dated late 1958 so the set is probably considered a 1959 model.

The service information indicates transistors were selected into groups whose beta products met a figure that provides adequate sensitivity. The circuit diagram shows four transistors with the second IF stage reflexed as an emitter follower driving the output stage. The set performs surprisingly well with only four transistors but the constant 25 mA drain gives limited battery life from AA cells.

*Pictures courtesy of CTS-Turner Museum, by Joe Carlson.*

Send your pictures, information or articles for TRANSISTOR TOPICS to Ross Smith, 1133 Strong Ave., Elkhart, IN 46514



# ROBERT STAPLEFORD'S Museum of Radio & Wireless Antiquities

*Clyde Watson*

In your travels, if you are anywhere within the vicinity of Topeka, Kansas, it would be well worth any radio enthusiast's time and effort to visit Robert Stapleford's Museum of Radio and Wireless Antiquities. Robert and Lois Stapleford are gracious hosts, and the museum is a jam-packed delight of radio memorabilia dedicated to the preservation of the artifacts and history of wireless and early radio before 1925. It is also a teaching museum with numerous displays and items to show how wireless and radio

works. Registered with the Smithsonian Institution as a private collection, the museum is located at 1800 Randolph St. in Topeka.

On a display board before one enters the museum is this announcement:

## RADIO COLLECTION INVENTORY

|                   |     |
|-------------------|-----|
| Receivers         | 217 |
| Crystal sets      | 69  |
| One-tube sets     | 31  |
| 81.6 percent work |     |
| Headphones        | 69  |
| Loudspeakers      | 57  |
| Books             | 256 |



*Pictured Robert Stapleford*





*Robert Stapleford's Museum — Space did not allow for all of Stapleford's extensive museum pictures.*

The preciseness of this inventory is reflective of the attention to detail and excellent care exhibited in all parts of the museum, its files, and work area; and the love Mr. Stapleford has for the history and technology of radio.

Robert, now retired, taught thirty-eight years as a physics and chemistry teacher, the last twenty-eight in the Shawnee Heights school district of Topeka. He had been a radio amateur in his earlier years and had experimented some with radio even as he started teaching. About 1961, one of his students brought to him a very early one-tube radio. After cleaning up the set and getting it to work, he made a trade with the student giving him \$15 and an old rifle. The set stimulated further interest and broadened into collecting radios, parts, and informa-

tion on the early days of radio — days which were before the time he was born.

Robert's favorite part of collecting, he is quoted as saying, is in taking each radio apart and putting it back together — not only in full working order but to its original appearance. This process draws not only on his electrical knowledge but also his skills in refinishing metal, wood, and plastics. Most of the sets were acquired in the 60s and early 70s before radio collecting became as popular as it is today. Since the type of radio sets he primarily sought to collect are battery or crystal sets, many of the sets came from attics, barns and even chicken houses where they were placed long ago when they were displaced by the appearance of the "light socket" AC sets in the



year Robert was born, 1927. Their appearance today often hides years of neglect these sets may have endured, as their owners turned to the more attractive and more convenient AC sets.

Helpful in the process of restoration is the fact that in the period Robert collects, radio equipment was made with quality materials. In an article he is quoted as saying, "The radios were over-engineered, manufactured as if you were going to use them for 30 years, rather than the four or five they remained in popularity. They were designed by people who were used to making equipment for military and commercial use and didn't know any other way of designing things."

A few of the sets in the collection came from England where Robert and Lois visited on four occasions during the 70s. Among their favorite collecting places are the "flea" markets and second-hand stores of Porto Bello Road of London. During one of their visits they went to the site in Poldhu, England where Guglielmo Marconi set up a transmitter and antenna in making the first trans-Atlantic contact by "wireless" in 1901. All that was left at the site to see was a monument and the foundations for the antennas. Marconi, who is credited by most as having invented radio transmission, set up for the other half of this historic event, an elaborate receiving system in Newfoundland. All this, just to hear the letter "S" sent in code from the Poldhu transmitter.

In the collection are two ceramic tiles from the Poldhu site, as mementos, and there is also a

framed letter signed by Marconi addressed to a "W. G. Freshwater, Esq. of Radio House, 210 Tottenham Court Road, London, W." It reads, "Enclosed herein please find a letter I have received from a cousin of mine who wishes to purchase a receiver at reduced price. From my reply, copy of which is also enclosed, you will see that I have given her some hope, and now write to ask you whether you can arrange through someone in the M.W.T. Co., to let Miss Burn have a set at wholesale price. Thanking you for all you may be able to do in the matter, and with best regards, I remain, Yours sincerely, G Marconi."

The letter is written on Reale Accademia D'Italia stationery of which he was then President, and addressed and dated "11, Via Condotti, Rome, 5th April, 1937.

Other autographed materials include a signed copy of The Marconi Book of Wireless, a DeForest signature, a signed letter by A. Atwater Kent, a 1912 group photograph of Edison plant employees signed by Thomas A. Edison and three other employees, and an Amos 'n' Andy book signed by both Correll and Gosden.

Mr. Stapleford had conducted research on the history of local radio stations and broadcast personalities, as well as local manufacturers of radios such as the "Steinite" which was built in Atchison, Kansas. Many small companies, he says, like the Steinite did not survive the depression of the 1930s as manufacturers of radios, in that the companies holding the major patents raised fees to levels where the smaller





*Shirley Wimer — our market policegirl nails another.*



*Best of Show — no questions asked.*



could not be competitive with the larger companies.

Among the artifacts in the museum are several teaching-demonstration devices that he has made, electronic and physics games, and several crystal and tube sets constructed from kits currently offered by electronic supply houses such as the Tempe based Antique Electronic Supply.

In addition to maintaining his museum, Robert has written several articles which have received limited circulation. He has given your editor permission to reprint some of these articles in

the Radio Club News. AARC members should find their appearance to be interesting in subject and thoroughness, just as the following photographs should be interesting in gaining an impression of his marvelous private museum.

**THE MUSEUM OF RADIO AND  
WIRELESS ANTIQUITIES**

1800 Randolph

Topeka, Kansas 66604

Robert Stapleford, Curator

*Credit given to the Arizona  
Antique Radio Club for first  
printing of this article.*

---

# **The Early Radio History of Northern New Jersey**

This series is copied from "The Citizen", a Boonton, New Jersey newspaper, as they printed it in June 1950. Remember, that's over 40 years ago! The author, Ed Weed, has given us permission to reprint his story.

In the past we covered:

Radio Frequency Laboratories  
(RFL) ..... Summer 1990  
Aircraft Radio  
Corporation ..... Fall 1990  
Ballantine  
Laboratories ..... Spring 1991

We continue the story, as printed in 1950, with two companies this time:

Ferris Instrument Co.  
Boonton Radio Corporation

## **Ferris Instrument Co.**

As mentioned earlier in this article, much specialized test equipment was needed for research work. One of the men who was responsible for the design of the signal generators and many other instruments used was a member of the Seabury staff, Malcolm Ferris. After several years with the RFL organization, Mr. Ferris set up his own business as a consulting engineer and in September 1932 formed the Ferris Instrument Company located on Boonton Avenue. The Ferris line of test equipment quickly found acceptance by industry, schools and governmental agencies. Mr. Ferris operated the company until his



death in December 1937, after which it was continued by his widow, Mrs. Ellen Ferris, and other members of the organization. In September 1942 the company moved into larger quarters on Cornella Street which it now occupies.

The Ferris organization is now operated by Harold E. Barnes.

### **Boonton Radio Corp.**

By 1934 the Seabury interest had liquidated a good portion of their holdings and in that year William D. Loughlin, one of the industry's pioneers, previously mentioned in this account, purchased the original RFL building located along the Lackawanna Railroad tracks at Boonton and established the Boonton Radio Corporation.

This new concern concentrated its engineering skill toward the creation of new measuring equipment, then so badly needed by the radio industry. For example, manufacturers were confronted with the costly annoyance of making coils that would pass all requirements when tested in their own laboratories only to be rejected by the purchaser because he had entirely different test instruments. Approved standards were necessary and the Boonton Radio Corporation engineers were determined to build them.

In November 1934, Mr. Loughlin presented at the Institute of Radio Engineers' Fall meeting in Rochester, N.Y., the company's first "Q-Meter." This instrument was immediately accepted as a standard by industry and research laboratories. The "Q-Meter" in an approved form is still being pro-

duced by BRC in large quantities and is the best known instrument of its type in use today.

Other new equipment followed including the "QX-Checker," similar to the "Q-Meter" but designed as a production testing instrument that could be operated by factory personnel, and still give laboratory accuracy. A radio interference measuring instrument was developed and produced for the Government and BRC pioneered the development of the beat-frequency generator.

Major Edwin H. Armstrong had introduced his system of frequency modulated transmitters and receivers which attracted the attention of engineers throughout the world. One of these was Mr. Loughlin who, predicting the demand for FM test equipment, directed his laboratory group in the design and production of an FM signal generator that was first presented in 1940 at the Institute of Radio Engineers' meeting in Boston. The concern had again made a timely development as a modified version of this instrument is still being manufactured by BRC.

In 1940 with the war clouds darkening, but our country still not in actual combat with Germany or Japan, large numbers of planes were being flown to Canada for the installation of armament and radio equipment before they were piloted to the British Isles. To provide the ferry pilots, who took the planes to Canada, with radio, so vital to safe navigation, Boonton Radio Corporation produced a compact, lightweight receiver and power supply. This





*Joe Koester's Wings Radios.*



*As far as the eye can see or the ear can hear — radios.*



unit, developed by RFL, required no special installation and had only to be carried by the pilot for use in each plane he had to deliver. The receiver was later used by the Navy in its N3N-3 training planes.

Like the others, Boonton Radio Corporation's efforts during the war period were devoted to the production of instruments for the Armed Services and other manufacturers making electronic equipment. The production of microwave signal generators for the development and maintenance of airborne radar equipment represented the company's principal output for wartime use.

In cooperation with the extensive program of the CAA and Department of Commerce to equip our airways with the most modern electronic navigational equipment, the Boonton Radio Corporation in 1947 introduced a crystal monitored signal generator and a glide slope test set which are both widely used for testing omni-range radio equipment and other air-

borne navigational instruments. Various airlines are now installing this new equipment and it will eventually be available to private flyers; thus this Boonton laboratory has made an important contribution to the safety of air travel.

Within the past two years a large addition has been built on the BRC plant and the original structure has been modernized in every detail.

Boonton Radio Corporation's products are recognized throughout the world for their superior quality which is the cumulative result of expert care from drafting boards to the final test departments and the company's policy of building only those instruments which have been pioneered in their own laboratories.

Officers of the BRC besides president William D. Loughlin include Dr. George A. Downsborough, vice president and general manager who joined the organization in 1942, and James R. Estler, secretary-treasurer.

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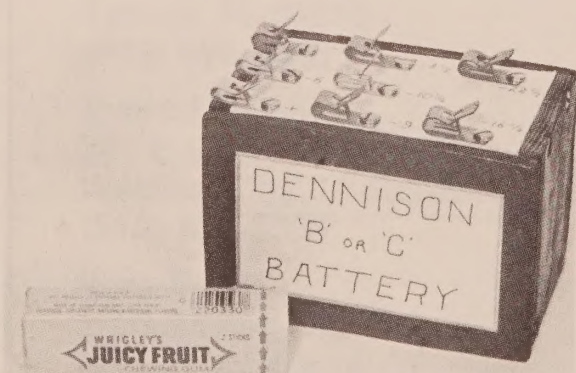
## A 22½ Volt B or C Battery

*By Bob Dennison*

Several years ago I acquired a second-hand Burgess No. 5156SC 22½ volt battery at a hamfest for \$2. I used it to operate my 1-tube 1922 Aeriola radio. Then, suddenly without warning, it died. New batteries are available but the rather high price (about \$24) led me to consider building my own.

I decided to use AA alkaline cells

in order to secure maximum shelf-life and best long-term economy. Radio Shack AA alkaline cells go on sale at least once a year (40% off) bringing the cost of a set of 15 cells to less than \$7.

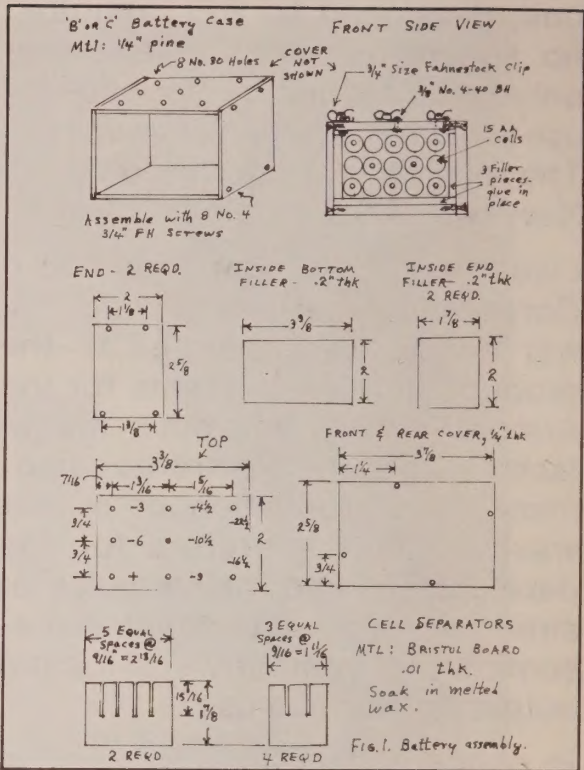




My B or C battery is housed in a wooden box. The front and rear covers can be removed to allow replacement of the cells when they run down. These covers are made of approximately 0.2 inch thick plywood. The top, bottom and two sides are made of 1/4 inch thick pine. See Fig. 1 for details. A piece of white bristol board is glued to the top member and it is marked to show the voltage at each terminal.

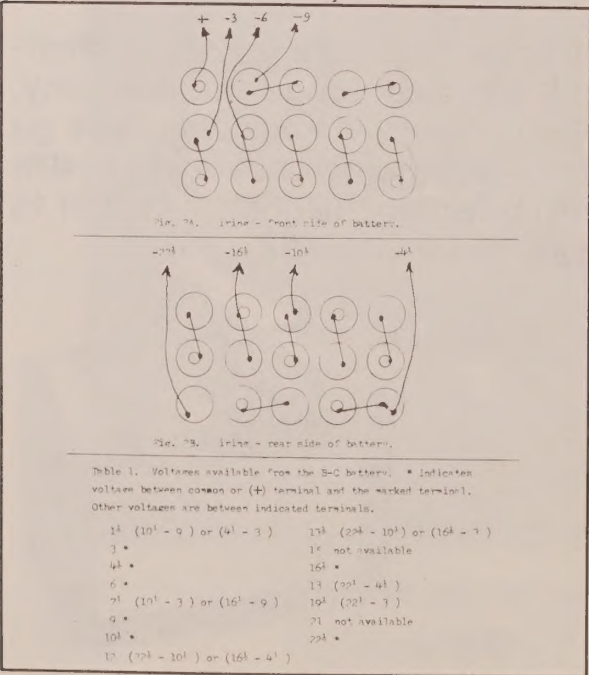
To minimize the chances of short circuits between cells, they are nested in a grid of interlocking horizontal and vertical separators made of bristol board similar to the way wine bottles are packaged. Before assembly, these separators are treated in melted paraffin to render them moisture-proof.

Eight small size Fahnestock clips are mounted on top of the battery to provide the voltages shown in Fig. 1. Additional voltages are available between terminals as shown in Table 1. The Fahnestock clips are mounted with No. 4-40 screws. Under the cover, below each



terminal is a solder-lug and 4-40 nut. Before assembly, a color-coded wire is soldered to each lug. Four of these wires, corresponding to voltages -22½, -16½, -10½ and -4½ are dressed to the rear of the battery and the other four come out toward the front. A piece of 2 inch wide cloth tape covers and insulates the solder lugs.

Assemble the four members of the battery case with eight No. 4, 3/4 inch FH screws and glue the three filler pieces in place as shown in Fig. 1. Lay the battery case, back side down, on the back cover. Assemble the bristol board grid of separators and drop it into the case. Now place a AA cell in each receptacle observing the polarities shown in Fig. 2A. Wire the front side and install the front cover. Turn the unit over, using the back cover to hold the cells in place. Wire the back side (see Fig. 2B) and install the back cover. The front and back covers are held by No. 4, 1/2 inch FH screws. Test the





battery with a voltmeter. Design your own personal logo or name plate and glue it to the front cover. Now you have a long life B or C battery that will outperform anything on the market and at a sensible price too!

---

### LETTERS FROM MEMBERS

On the front cover of the Spring 1991 Gazette, I couldn't find any comment on it, but is that dog supposed to be ex-president Jimmy Carter? It sure looks like him.

Ken Miller

---

I did so enjoy the Ralph Williams article on testing the first FM network in the spring edition of the Gazette. I also enjoyed all of the other articles on Major Armstrong. One can pick up a great deal from these types of writings.

I am sending in my latest want ad to be published in the Summer edition of the Gazette, and if you will include it I will appreciate it. Thank you and keep smiling!

Sincerely, Sam W. Wrenn

---

I'm pleased to acknowledge the Honorary and Life membership in ARCA which you've recently given me.

Please know that all copies of the ARCA Gazette are carefully filed in the AWA Annex Reference Library. Your publication provides significant material for both the collector and radio historian.

Regards,

Bruce Kelley, W21CE  
Curator AWA Electronic-  
Communication Museum

### SOME PROFESSIONAL SERVICES AVAILABLE FROM ARCA MEMBERS

#### Buy/Sell

Jim Clark Enterprises  
1292 Starboard  
Okemos, Michigan 48864  
(517) 349-2249

Ron Boucher  
Vintage Radio Services  
P. O. Box 541  
Goffstown, NH 03045  
(603) 497-2988

#### Replacement Parts

George Fathauer  
Antique Electronic Supply  
688 W. First St.  
Tempe, Arizona 85281  
(602) 894-9503

Howard Granoff  
Old Tyme Radio Company  
2445 Lyttonsville Road  
Silver Spring, Maryland 20910  
(301) 585-8776

Dan Szablewski  
Vintage TV & Radio  
3552 W. 105 St.  
Cleveland, Ohio 44111  
(216) 671-6712

#### Repair/Restore

Robert J. Goad  
8441 Flagstone Drive  
Tampa, FL 33615  
(813) 886-9655

Everett Ludley  
301 Edgewood Drive  
Webster City, IA 50595  
(515) 832-3763

Ross Smith  
1133 Strong Ave.  
Elkhart, IN 46514



Dave Johnson  
2336 S. Kenilworth  
Berwin, IL 60402  
(312) 484-2743

Jack Bowers  
RR 2, Box 212  
Highland, IL 62249  
(618) 675-3471

Robert E. Mogle  
11835 Old Orchard Drive  
Indianapolis, IN 46236

Arthur L. Fox  
5 Downing Rd.  
Lexington, MA 02173  
(617) 862-6352

Richard Foster  
12 Shawmut Ave.  
Cochituate, MA 01778  
(508) 653-2418

Walt Wrabek  
Rt. 4  
Menasha, MN 56464  
(218) 564-4623

Doug Heimstead  
1349 Hillcrest Drive  
Fridley, MN 55432  
571-1387

Doug Burskey  
732 Pulver-List Rd.  
Mansfield, OH 44905  
(419) 522-5669

John Okolowicz  
624 Cedar Hill Road  
Ambler, PA 19002  
(215) 542-1597

Rick Yerke  
P. O. Box 392  
Moscow, PA 18444  
(717) 842-4857

**Note:** These are ARCA MEMBERS  
who stated their willingness to  
repair radios.

## ARCA - AWA '91 Membership Appreciation Dinner

A special event has been planned for the membership this fall at Rochester, New York. On Thursday evening, September 26 at 6:00 p.m., we will have a Membership Appreciation dinner at the Gateway Banquet and Conference Center. This is located beside the Days Inn on Henrietta Road. We look forward to honoring some of our outstanding, dedicated members and enjoying an evening of fellowship and good food.

Please return the enclosed registration card as soon as possible so we can inform the Gateway of the number of attendees.

The registration is \$5.00 per family and the total cost of the meal is \$19.95 (tax and service charge included). We will be serving the following menu:

Fresh Fruit Medley  
Roast Prime Rib of Beef,  
au Jus, 10 oz.  
Vegetable and Potato  
French Bread Rolls & Butter  
Apple or Peach Cobbler/  
Boston Cream Pie  
Beverage

The Conference Center was host last fall to our Director's meeting. Their service and the facilities are excellent, which brought us to plan this special event for ARCA members attending the AWA convention.

*See Insert  
Fill out registration form  
from insert.*



# EXTRAVAGANZA '91

Proudly Announced & Sponsored by



THE MICHIGAN  
ANTIQUE RADIO  
CLUB



&

THE ANTIQUE  
WIRELESS ASSOCIATION

14, 1991 --

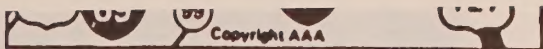
Friday & Sunday

Special Hour Saturday night  
Buffed off, door prizes, Art  
Catalin Toss" contest!

Holiday Inn Lansing  
Conference Center

7501 W. Saginaw  
Lansing, Michigan 48917  
(517) 627-3211

For additional meet info, call:  
Jim Clark (517) 349-2249



## -OTHER EVENTS-

- ★ Open-Air Flea Market
- ★ Donation Auction (Sunday)
- ★ "Silent" Auction (Sunday)
- ★ (3) **Programs:** 1) Alignment Procedures, 2) Refinishing Clinic, 3) Hints & Kinks
- ★ Equipment Auction conducted by Col. Steve Waldron (Saturday)
- ★ 50/50 Raffle Each Day
- ★ Hospitality Room
- ★ Equipment Contest (Friday)



Dave Johnson  
2336 S. Kenilworth  
Berwin, IL 60402  
(312) 484-2743

Jack Bowers  
RR 2, Box 212  
Highland, IL 62249  
(618) 675-3471

Robert E. Mogle  
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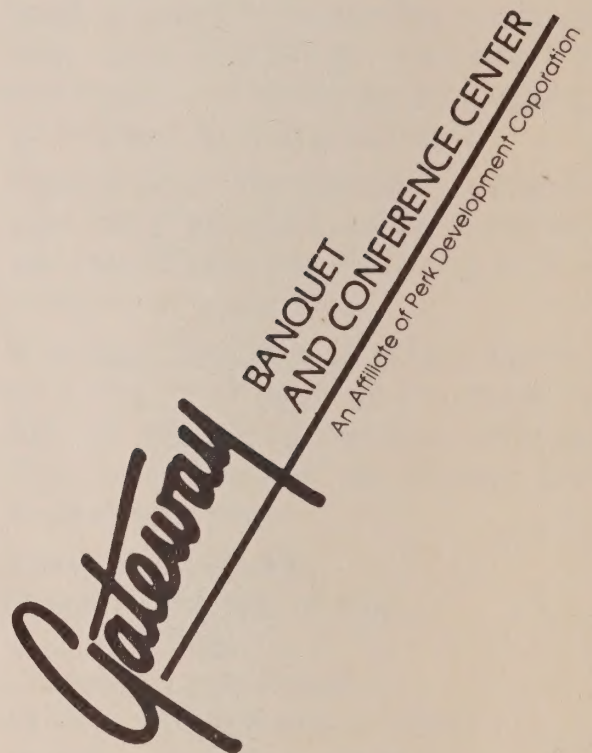
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### Beverage

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Fill out registration form  
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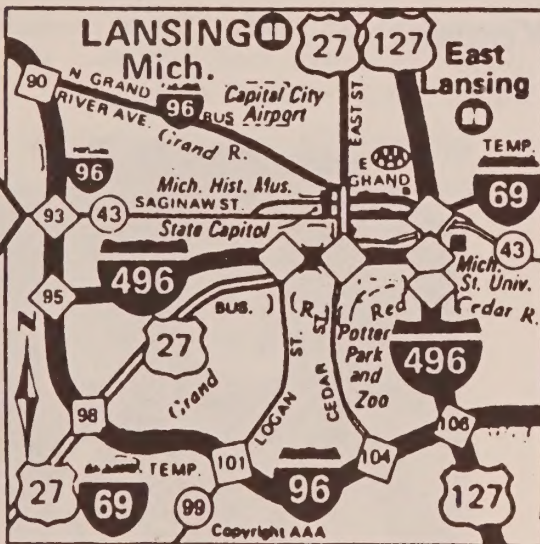
&

THE ANTIQUE  
WIRELESS ASSOCIATION

-- July 12-14, 1991 --

*Friday, Saturday & Sunday*

Featuring an exciting Social Hour Saturday night  
with a Fada Bullet to be raffled off, door prizes, Art  
Deco display, and a "Catalin Toss" contest!



Holiday Inn Lansing  
Conference Center  
7501 W. Saginaw  
Lansing, Michigan 48917  
(517) 627-3211

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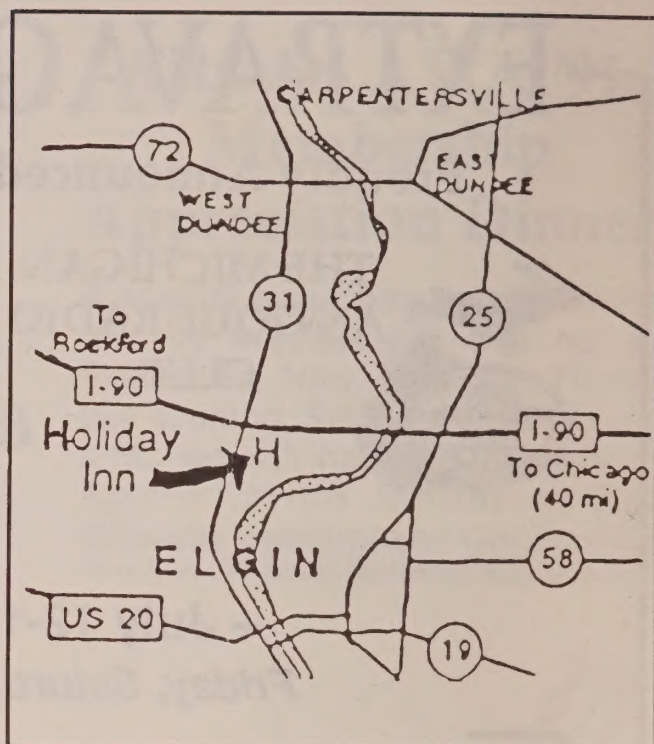


## ILLINOIS MEET — ARCI RADIOFEST 1991

Thursday-Saturday, August 8-10

Organized by the Antique Radio Club of Illinois at the Holiday Inn Holidome and convention center, 345 River Road, Elgin, IL 60123. Site is 40 miles west of Chicago, off I-90. Features three days of flea marketing, general and donation auctions, special exhibit, hospitality suite, afternoon presentations, old-equipment contest and an awards banquet on Friday evening.

For information (don't delay):  
Dave Johnson, 2336 S. Kenilworth,  
Berwyn, IL 60402, (708) 484-2743.  
For the hotel: (708) 695-5000.



## MY FAVORITE ZENITHS

*By Joe Koester*

I'm not sure exactly when it happened, but somewhere early in the "acquisition phase" of my radio collecting affliction I developed a strong bias towards Zeniths. One of the main draws was the big black dials that began to appear in 1936, continued through 1940, and as far as I'm concerned peaked with the 1938 model year. Like the American automobile dealers, some of the radio manufacturers of the era had to change their design every model year. Zenith's big black "Robot Dial," which is also known as the shutter dial, camera dial, or flip flop, pretty much combined utility, convenience, readability (no stoop, squint or squat here!), and an appealing design. An ease to operate, with the on-off-



distance switch on the right (facing), volume only on the left, and tone control above the beautiful triangular escutcheon framing the large 8 inch dial. A three level





*The Waltons in 1972. Back: David Harper, Michael Learned, McDonough, Corby the Late Will Geer. Front: Eric Scott, Kami Cotler, Richard Thomas, Judy Norton-Taylor, Ralph Waite, Jon Walmsley.*

control is immediately below the dial with the band switch lever to change the Robot Dial, in the innermost position, then the large wooden tuning knob, and the smaller motor drive knob on the outside.

Having created this beauty Zenith no doubt found a lot of band-spread (read territory to cover) in this vastly uncluttered dial covering over 300 degrees per band. That meant a lot of big knob twisting to go from 550 to 1500 kHz, so they equipped most of the 1938 Robot Dials with a small electric motor (electric automatic tuning) to spin the dial to the approximate area, and you then used the large knob to home in on the station. Robot dial models of lesser

stature, the 7 tube models, incorporated "Spinner tuning," which meant they lacked the motor drive tuning, thereby increasing your chances of incurring carpal tunnel syndrome through the use of your radio. The 1938 upper echelon

models were also the last to use a positive rotary switch for tone control for Zenith switched to the tone organ concept commencing with the 1939 models. Next to Commander McDonald's big boo boo with the Bakelite chassis in 1940, this has to rank high as a bad decision, at least for the serviceman and the collector. The tone organ, in whatever version, is subject to broken pull tabs, poor connection, distorted plastic, and that blasted rubber wire that sheds



its insulation — but that's another story.

Zenith's cabinets were typical of the time, pretty much one for any taste or budget. The robot dial chassis for 1938 came in 9, 12, and 15 tube versions and graced Zenith's fancier and moderate to expensive cabinets. Interestingly enough, the 1938 robot dial with motor drive also graced a few table models. Since they were the same chassis used in the floor model consoles, these were bigggg table models. Two motor drive tombstone Zeniths are pictured below, the 12-S-232 on the left, and the 9-S-232 on the right. The 7 tube model was the 7-S-232, but without the motor drive. The first number(s) indicates number of

tubes, the latter the type of radio (S + straight 110 volt AC, broadcast and short wave) and the last three digits designate the cabinet style for that year, 200-series for 1938, 300-series for 1939, 400-series for 1940, etc. But these large table tops gained their own unique nickname when they appeared in the TV series "The Waltons." Jim Bob and family must have whiled away many a happy hour basking in the glow of Zenith's electric target tuning (green magic eye). The Walton Zeniths are some of the most highly prized and sought-after models. I'd like to have the 7 tube version to complete my collection, but consider myself extremely fortunate to have these two — truly my favorite Zeniths!

---

## OLD EQUIPMENT CONTEST 1991 ARCA MEET

### CLASS I - CRYSTAL OR COHERER SETS

#### A. Factory Made

- 1st - Mike Feher,  
Seibt WWI Receiver
- 2nd - Jim Rankin,  
AC Gilbert Wireless Set
- 3rd - Franz Mock,  
Telefunken Model A
- Special - R. L. Haney,  
RCA ER 753A

#### B. Homebrew

- 1st - Ken McIntosh
- 2nd - H. C. Waterman
- 3rd - Emmet Smith

### CLASS II - REGENERATIVE RECEIVERS

#### A. Factory Made

- 1st - Ron Frisbee, Paragon IIIA
- 2nd - Ernie Hite, Tuska 225

- 3rd - R. L. Haney,  
Clapp Eastham, Radak
- Special - Glenn Hartung,  
Crosley Pup With Bonzo
- Special - Ray Thompson,  
Canadian Westinghouse  
Model 53

#### B. Homebrew

- 1st - John Haught,  
Browning Drake
- 2nd - Ernie Hite,  
Glass Top Receiver

### CLASS III - SUPERHETRODYNE Receivers

#### A. Battery Powered

- 1st - Ernie Hite, Fenway
- 2nd - Michael Murray,  
RCA Radiola 25

#### B. A. C. Sets

- 1st - Robert Lozier, Italian Sets

*Continued on page 35*



# McMurdo Silver Masterpiece V The Find

The story behind this set may not be all that unusual. The fact that the man I bought it from came to my store over a period of six (6) months trying to unload what he described as a "very large console". Who needs another console?

One day he brought in the Silver Times, the wall display ad and instruction book. I still wasn't overly impressed. He indicated that if he didn't sell this set by the weekend that his landlord was going to dump it from the common's storage area because it was taking up too much room. So as not to hurt the old gentleman's feelings, I got in my car, drove the one mile to his apartment and stood by as he removed the blanket. From that point on things happened in rapid order!! He told me I could have it for \$50.00, if I could get it out that day. I was back in fifteen minutes with a van and a salesman who was still spinning when I grabbed him by the arm and told him it was time he did a little work. We loaded that sucker up - all 225 lbs. of it - spent three weeks cleaning it, and replaced the power cord and power supply socket only.

Time then for the smoke test. Flip on the switch and presto - SOUND!! The power supply, at some point in time, had been reworked; new filters and both chokes. Removal of the chassis cover revealed that a soldering

iron had never touched the main chassis since its manufacture. The serial number of the unit is not in keeping with the corporate records, and after some correspondence with Puett Electronics in Dallas, Texas, this may be one of the very few units manufactured by McMurdo's engineers. This radio has not been worked on in the last twelve (12) years. The set is operated at least monthly and is set on BBC in London for demonstration to guests. Very seldom do I have to adjust the dial to retune to this station. You do not see these sets very often, but in this author's opinion, a collection would not be complete without one.

## McMurdo Silver The Story

Twenty-Nine Countries in Twenty-Four Hours - Twice 'Round The Clock With A Masterpiece V.

So are the headlines of The McMurdo Silver Times. The newspaper printed for the would-be purchaser or new owner of a Masterpiece. Much has been said about the McMurdo radios, all of which I will not repeat here. Ours here is to simply enjoy some of the pictures and fascinating stories as seen from the consumer's standpoint.

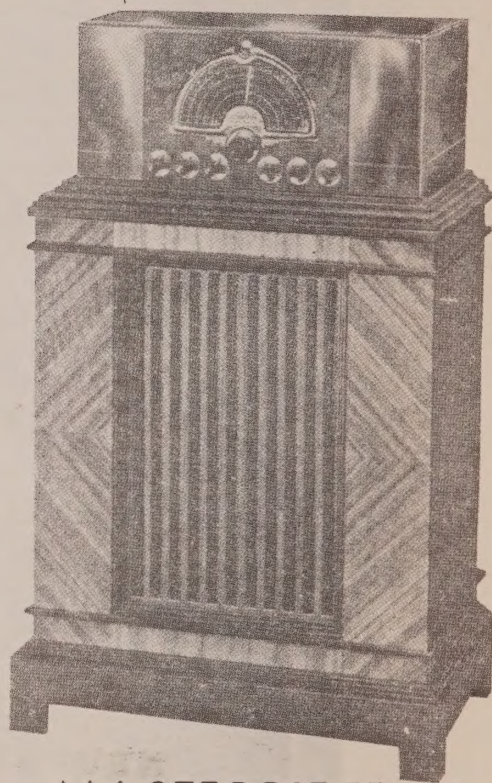
Here was a radio that sold for a base price of \$219.00 and then you had your choice of cabinet styles at varying prices. Considering this was a big investment at the time, and the superb selection of cabinets, several evenings of debate surely surrounded this purchase.



# *Your* MASTERPIECE

Will be  
**CUSTOM-BUILT**  
*especially for*  
**YOUR**  
*requirements*

When you order your MASTERPIECE V one is not simply taken down from a shelf and shipped to you. Far from it! Work is not started on your set until our laboratory staff goes over the information you give us when you fill out the installation questionnaire. Then *your* MASTERPIECE is built, which exactly fits *your* requirements. Two engineers construct *your* set under McMurdo Silver's supervision and stake their professional reputations on its being the finest radio that can be built for operation in *your home* and finally McMurdo Silver peaks and air tests it for *you!*



**MASTERPIECE V**  
with **CARLTON** Cabinet

That is why your ownership of your truly custom-built MASTERPIECE V numbers you among the "Royal Families of Radio."

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DIVISION G. P. H., INC.

3354 NORTH PAULINA STREET - CHICAGO, U. S. A.

**"WORLD'S ONLY TRULY CUSTOM-BUILT RADIO"**







**MCMURDO SILVER CAN BUILD FOR *You* FOR \$219.<sup>00</sup>**

**McMURDO SILVER CORP.**  
MASTERPIECE V

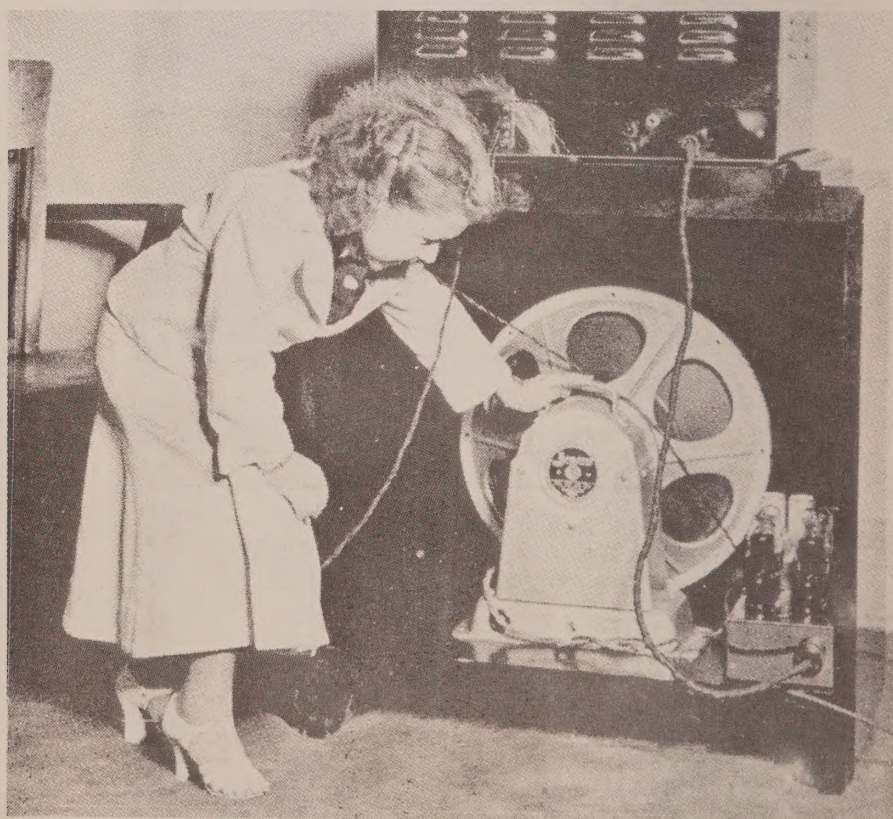








*When this photo was taken, Mr. Hardleben was actually playing a South American station for his friends, Mr. and Mrs. Doddy, and his wife.*



*Betty Titus, all of three and a half feet tall, stops off on her way to Dallas and the Texas Centennial to look at the MASTERPIECE V. The Super-Giant Speaker resists her lifting power, however, as it weighs more than does this pretty Miss of twenty years.*



One spouse would say the Clifton console, worth \$60.00, was free, but surely if we spend only \$20.00 more we could have the lovely Carlton and so on. In my case, and to my joy, the couple who bought mine decided on the more expensive at \$48.00 additional, the Bristol.

After delivery was accepted, if you can imagine the first foreign broadcasts that were received. Hilter was starting his European campaign. This was the beginning of shortwave broadcasts that would send shockwaves around the world for eight years. Never before and never again will such an ordeal keep so many people tuned to the events of the day. This was without a doubt the tragic "golden years" of shortwave broadcasting. How lucky a few people were to have been able to have such a set as the McMurdo. The countless neighbors and friends who would have found reasons to just drop by. This occasion surely occurred much more often after the War began in early 1942, and all radio production was halted.

To this writer the nostalgia in this set is the history that it lived. The fact that it is a priceless piece of art is the bonus. There are today craftsmen who produce works of art from wood, but ours is lost in the face of reality where radio and even televisions for the most part, are housed in plastic.

I will refer you to some additional history that is available from Puett Electronics, P. O. Box 28522, Dallas, Texas 75228. The booklet, "The Classic Radio Collector's Handbook", has a good condensed history on Mr. Silver that is

worth reading. Also, refer to Vol. 18 No. 4 of The Gazette - Radio: As I Experienced It by Bill Hoy, in which he relates his experience with the E. H. Scott-McMurdo Silver Feud.

The following was submitted by Bill Hoy as an addition to his previous article and also to mine.

My personal experience with Silver Masterpiece radios began with the first model announced, and extended to shortly before World War II. I have always admired quality workmanship and performance, and I still feel that no radio builder ever surpassed Silver sets in those departments.

In the RF and IF sections, there was ample evidence of care in design. The oscillator was tuned by the most temperature-stable section of the tuning capacitor, this minimized frequency-drifting. Oscillators had uniformly high (about 15 volts peak) injection on every waveband, because Mac Silver knew then that this increased sensitivity. Wire leads location and length, in each stage of the set, were arranged to avoid absorption of the signal. Gain of each stage was adjusted to avoid internal noise and overloading, most sets of that time had a very high level of noise when the volume was turned up with no station tuned in. A Silver Masterpiece was almost silent when it is opened wide with a 300 ohm dummy load connected to the antenna-terminals. Enough shielding was provided that there was no trace of feedback between different stages.

*Continued on page 52*







- 2nd - Stan Watkins, RCA 143  
3rd - Clay Seidel,  
Bulova Clock Radio  
Special - Glenn Hartung, RCA R-8

**CLASS IV - RECEIVERS USING  
RF Amps**

- 1st - Mike Prosise, Philco Display  
2nd - H. C. Waterman, Crosley VI  
3rd - R. L. Haney, Crosley 51

**CLASS V - ADVERTISING**

- 1st - Ray Thompson,  
AK Store Display  
2nd - Joe Koester,  
Wing Cigarette Radios

**CLASS VI - SPEAKERS  
(CONE OR HORN)**

- 1st - Clay Seidel,  
Winkler-Reichman  
2nd - R. L. Haney,  
Music Master  
3rd - Perry King,  
Stevens Ship Speaker

**CLASS VII - ALL  
AMERICAN FIVES**

**A. Wood Cabinets**

- 1st - Joe Koester,  
Ferguson (Canadian)  
2nd - Stan Watkins,  
Majestic Model 59  
3rd - R. L. Haney, Emerson  
3rd - Glen Hartung, Emerson

**B. Bright Phenolics**

- 1st - Bruce Eddy, Airline 62-476

**C. Art Deco**

- 1st - Ed Lyon, FADA 115

**D. Novelty**

- 1st - Kathy Koester,  
Guild Buttons and Bows  
2nd - Joe Koester, Radio Vision

**CLASS IX - CONSOLES**

- 1st - John England,  
Stromberg Carlson Chairside  
2nd - John Deloria, Zenith 67  
3rd - Bruce Eddy, RCA C 13-2

**CLASS X - RARE BOOKS**

- 1st - R. L. Haney, 1922 Magazine  
2nd - Robert Beck,  
Mills Radio Communication  
3rd - H. C. Waterman,  
Television Hathaway

**CLASS XI - TELEVISIONS**

**A. Electronic**

- 1st - Craig Roberts,  
Scott Projection Set  
2nd - David Boyd,  
Dumont 1938 Model 180

**B. Mechanical**

- 1st - Ken McIntosh,  
Jenkins Scanning Disk

**CLASS XI - TRANSISTOR  
RADIOS**

- 1st - Robert Beck,  
Emerson Vanguard Model 888  
2nd - R. L. Haney,  
Emerson Model 888  
3rd - Glen Hartung, Magnavox  
Special - Mike Feher,  
Bell Labs Transistor

**Peoples Choice Award -**

Mike Prosise, Philco Display

**Best of Show -**

Robert Lozier, Italian Sets

**Houck Award -**

Ernie Hite, Fenway Superhet

**Museum Award -**

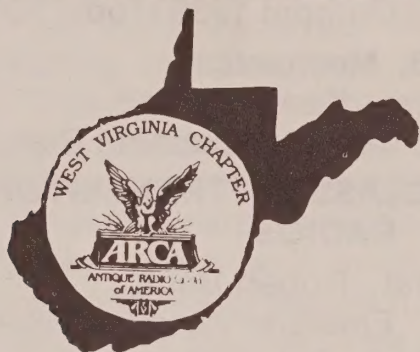
Mike Feher, Chambers Time  
Receiver & J. Boudenin French  
Detector/AMP

**Judges:**

John Caperton, Jim Troe,  
Ralph Williams, Geoffrey Bourne

**Metal Photo Etched Participation  
Plaques Were Issued To All  
Participants Who Displayed  
Equipment.**





## NEWS FROM WEST VIRGINIA

The biggest news here is still our 10,000 sq. ft. building that we recently purchased. We are slowly, but surely, renovating the former school building.

We will have two Radio Meets at the Museum this year: one on July 6, another on October 5. We won't have all of our equipment and display materials ready by our first meet, but we plan a program of TRADERS MARKET, AUCTION and other activities. Bring the family, some folding chairs, and plenty of "Radio Stuff" to sell and trade. We will have room for at least forty-five of your folding tables inside the building, so rain should be no problem. Remember, Museum Foundation members have free set ups. Sandwiches and refreshments will be on sale at our commissary.

I especially want to invite all ARCA members and their families to

attend our meets. You will be surprised by our building, and what a small but determined group has been able to accomplish with hard work, persistence, good luck, and some cooperation from local people.

We consider ourselves most fortunate in acquiring this building and one and one half acres of property. This property was appraised at \$94,500 in early 1990, and is currently valued at \$180,000+ on the county books. Zoning laws worked in our favor and played a great part in our ability to acquire the building.

The WV chapter recently received a Model 1949 Zenith 6R886 Port-hole TV, phonograph combination. It has a beautiful cabinet, the radio plays and the TV needs a little work. Not bad for a pre 50's set.

Go figure the odds on this one. A man living directly across the street from the Museum has a Scott radio. I don't know if it's for sale but I would bet that Geoffrey Bourne and/or Lloyd McIntyre have checked this one out.

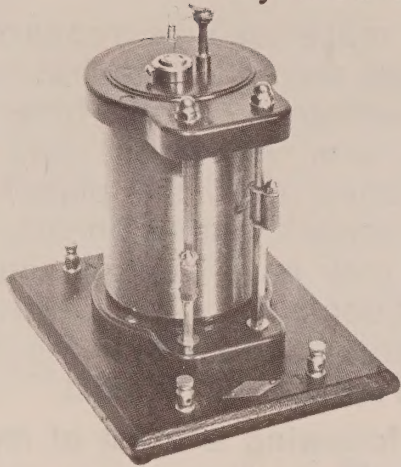
More later, but for now remember July 6, and October 5, come and see us.

Zane Parsons, Reporter



# The Splitdorf Crystal Radio And The Blue Grotto

*By Bob Dennison, W2HBE*



I met Gil at an Antique Wireless Association meet in Canandaigua, NY. We both liked building and operating old time radio gear so we hit it off instantly and maintained our friendship through extensive correspondence. I'd like to tell you one of the intriguing stories Gil related to me several years ago.

Gil lived in northern New Jersey and in a nearby city he discovered an old warehouse surrounded by a moat. It was located in a run-down part of town and Gil never felt safe going there. But the treasures found there kept luring him back. You had to cross a drawbridge to enter. Once inside, Gil was met by an elderly man who led him to a rickety elevator. After closing the lattice-work gate, the man twisted a pair of wires together and the elevator slowly descended into the gloomy basement. The walls had been painted blue decades ago and Gil dubbed this subterranean cellar "The Blue Grotto". As Gil's eyes adapted to the gloom,

he could make out row after row of shelves piled high with boxes filled with a variety of old radio apparatus. In some rows the boxes had broken open and their contents were strewn on the floor making it impossible to proceed further in those isles.

On one trip to the Grotto, Gil found a box holding several dozen tuning condensers similar to the Hammarlund MC-100-S. These had been made for a government contract and each was wrapped in a foil-lined Kraft paper package so they were untarnished and like new. The whole box sold for \$2 so you can see why Gil would continue to venture into the Blue Grotto in spite of the seamy neighborhood.

On another excursion to the Blue Grotto, Gil discovered a classic antique crystal radio receiver in mint condition. A small diamond-shaped logo carried the name — SPLITDORF. Written in pencil on the bottom of the set was the inscription "Nov. 10, 1921". When Gil inquired as to the price of this radio, he was totally unprepared for the answer. He was informed that he could have the set for \$1.00!

My dear friend, Gil, died about two years ago and his lovely wife, Edith, gave me the crystal radio set. It now resides on a shelf in my museum. I always enjoy telling visitors the story about Gil, the Blue Grotto and the \$1 Splitdorf crystal radio.



# Radio Boys to the Rescue

*Robert Stapleford*

There is very little that might be called literary quality between the covers of the fifty-cent copies of the juvenile radio fiction that were published in the first third of this century. The series and individual books that were devoted to radio fiction were, for the most part, ground out by hack writers whose publishers were taking advantage of a public enthusiasm that exceeded the excitement later generated by television and computers. The stories were regarded as trash by many librarians and other arbiters of what should constitute "children's literature."

We, the young readers, loved them. The plots didn't seem improbable to us. To the collector of things associated with early wireless and radio, the tattered copies of these books are gems to treasure and a pleasure to read. Lincoln Cudall (AWA Co-founder) wrote me a few years ago that he had a complete collection of most of the Radio Boys series and that, "They make a good bedtime, paragraph at a time, reading before falling asleep." Musty volume in hand, I relieve with pleasure those days of yore when I was off and away on adventures with the Radio Boys.

Many of the books were written by Edward Stratemeyer (1863-1930) or the Stratemeyer Literary Syndicate. In 1906 Stratemeyer founded a writing organization, The Syndicate, to supply magazine and book publishers with juvenile fiction.

The material was researched, plotted, and edited by Stratemeyer, but written by many others. By 1930 over 700 books had been published under this plan. I hope this doesn't disillusion too many who may have thought the Tom Swift books were really written by "Victor Appleton" or the Rover Boys by "Arthur Winfield."

The following is a list of most of these books that were published from the early 1900s to about 1930 dealing with radio or wireless adventures.

Appleton; Victor (pseudonym for Howard Garis of the Stratemeyer syndicate). *TOM SWIFT SERIES*. Grosset & Dunlap.

Tom Swift and His Wireless Message; or, The Castaways of Earthquake Island (1911)

Bonner, Richard. *BOY INVENTORS SERIES*. Hurst & Co.

The Boy Inventors Wireless Triumph (1912)

The Boy Inventors Radio Telephone (1915)

Breckenridge, Gerald. *THE RADIO BOYS*. A. L. Burt

The Radio Boys on the Mexican Border (1922)

(Contains directions, with two diagrams, for constructing a crystal set)

The Radio Boys on Secret Service Duty (1922)

The Radio Boys with the Revenue Guards (1922)

The Radio Boys' Search for the Inca's Treasure (1922)

The Radio Boys Rescue the Lost Alaska Expedition (1922)

The Radio Boys in Darkest Africa (1923)

The Radio Boys Seek the Lost Atlantis (1923)



The Radio Boys With the Border Patrol (1924)  
 The Radio Boys as Soldiers of Fortune (1925)  
 The Radio Boys with the Air Patrol (1931)

Chapman, Allen (pseud. for Edward Stratemeyer) *THE RADIO BOYS SERIES*. Grosset & Dunlap. (Each volume contains an introduction by S. S. *REPUBLIC* Marconi operator Jack Binns)

The Radio Boys' First Wireless; or, Winning the Ferberton Prize (1922)  
 The Radio Boys at Ocean Point; or, The Message that Saved the Ship (1922)

Radio Boys in the Secret Service; or, Cast Away on an Iceberg (1922) (Note: One edition lists Frank Honeywell as the author)  
 Radio Boys in the Flying Service; or, Held for Ransom by Mexican Bandits (1922)  
 Radio Boys in the Thousand Islands; or, The Yankee-Canadian Radio Trail (1922) (Frank Honeywell is listed as author in at least one edition)  
 Radio Boys Under the Sea; or, The Hunt for Sunken Treasure (1923)  
 Radio Boys and the Sky Pilot; or Bottling the Borealis.

Duffield, J. W. *BERT WILSON, WIRELESS OPERATOR*. Sully and Fleinteich (1913) (Another reprint of this title was issued by the

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Yes! I would like to attend the ARCA Appreciation Dinner.

Registration Fee Family  
 Roast Prime Rib of Beef Dinner

\$ 5.00  
19.95 each

My check is enclosed and made payable to ARCA — \$\_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone: \_\_\_\_\_

Mail registration form no later than September 15, 1991 to:

ARCA — Rochester  
 312 South 10th Street  
 Akron, PA 17501

*NEATON, WIRELESS OPERATOR*. Stokes. (1919)

Davidson, Halsey. *NAVY BOYS TO THE RESCUE*; or, *ANSWERING THE WIRELESS CALL FOR HELP*. George Sully & Co. (1919)

Driscoll, James R. *THE BRIGHTON BOYS IN THE RADIO SERVICE*. John C. Winston Co. (1918)

Duffield, J. W. *RADIO BOYS SERIES*. M. A. Donohue & Co.

The Ocean Wireless Boys of the Iceberg Patrol (1915)

The Ocean Wireless Boys and the Naval Patrol (1915)

The Ocean Wireless Boys on the Pacific (1916)

The Ocean Wireless Boys on War Swept Seas (1917)

Marlow, Ralph. *THE BIG FIVE MOTORCYCLE BOYS THROUGH BY WIRELESS*; or *A STRANGE MESSAGE FROM THE AIR*. A. L. Burt & Co. (1915)



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*Robert Stapleford*

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The Radio Boys at Ocean Point; or, The Message that Saved the Ship (1922)

The Radio Boys at the Sending Station; or, Making Good in the Wireless Room (1922)

The Radio Boys at Mountain Pass; or, The Midnight Call for Assistance (1922)

The Radio Boys Trailing a Voice; or, Solving a Wireless Mystery (1922)

The Radio Boys with the Forest Rangers; or, The Great Fire on Spruce Mountain (1923)

The Radio Boys with the Iceberg Patrol; or, Making Safe the Ocean Lanes (1924)

The Radio Boys with the Flood Fighters; or, Saving the City in the Valley (1925)

The Radio Boys on Signal Island; or, Watching for the Ships of Mystery (1926)

The Radio Boys in Gold Valley; or, The Mystery of the Deserted Mining Camp (1927)

The Radio Boys Aiding the Snowbound; or, Starvation Days at Lumber Run (1928)

The Radio Boys on the Pacific; or, Shipwrecked on an Unknown Island (1929)

The Radio Boys to the Rescue; or, The Search for the Barmore Twins (1930)

Collins, Archie Frederick. *JACK HEATON, WIRELESS OPERATOR*. Stokes. (1919)

Davidson, Halsey. *NAVY BOYS TO THE RESCUE*; or, *ANSWERING THE WIRELESS CALL FOR HELP*. George Sully & Co. (1919)

Driscoll, James R. *THE BRIGHTON BOYS IN THE RADIO SERVICE*. John C. Winston Co. (1918)

Duffield, J. W. *RADIO BOYS SERIES*. M. A. Donohue & Co.

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Radio Boys Under the Sea; or, The Hunt for Sunken Treasure (1923)

Radio Boys and the Sky Pilot; or Bottling the Borealis.

Duffield, J. W. *BERT WILSON, WIRELESS OPERATOR*. Sully and Fleinteich (1913) (Another reprint of this title was issued by the Whitman Publishing Co. in 1924)

Hancock, Harris Irving. *THE MOTORBOAT CLUB AND THE WIRELESS; OR, THE DOT, DASH AND DARE CRUISE*. Henry Altemus Co. (1909)

Hope, Laura Lee (pseud. for Edward Stratemeyer). *THE BOBBSEY TWINS IN A RADIO PLAY*. Grosset & Dunlap (1937)

Kaler, James Otis. *WIRELESS STATION AT SILVER FOX FARM*. Crowell (1910)

Lawton, Capt. Wilbur (pseud. for John Henry Goldfrap). *THE OCEAN WIRELESS BOYS SERIES*. Hurst & Co.

The Ocean Wirless Boys on the Atlantic (1914)

The Ocean Wireless Boys and the Lost Liner (1914)

The Ocean Wireless Boys of the Iceberg Patrol (1915)

The Ocean Wireless Boys and the Naval Patrol (1915)

The Ocean Wireless Boys on the Pacific (1916)

The Ocean Wireless Boys on War Swept Seas (1917)

Marlow, Ralph. *THE BIG FIVE MOTORCYCLE BOYS THROUGH BY WIRELESS*; or *A STRANGE MESSAGE FROM THE AIR*. A. L. Burt & Co. (1915)



Penrose, Margaret (Pseud. for Stratemeyer Syndicate). *THE RADIO GIRL SERIES*. Cupples & Leon.

The Radio Girls of Roselawn; or, A Strange Message from the Air (1922)  
The Radio Girls of the Program; or, Singing and Reciting at the Sending Station (1922)  
The Radio Girls on Station Island; or, The Wireless from the Steam Yacht (1922)  
The Radio Girls at Forest Lodge; or, the Strange Hut in the Swamp (1924)

Rathbone, St. George. *TOM TURNER'S ADVENTURES WITH RADIO*. Whitman (1924)

Reeve, Arthur Benjamin. *THE RADIO DETECTIVE*. Grosset & Dunlap (1926)

Snell, Roy Judson. *RADIO-PHONE BOYS SERIES*. Reilly & Lee. (The first three titles are authored by "James Craig", a pseudonym for Snell).

Curlie Carson Listens In (1922)  
On the Yukon Trail (1922)  
The Desert Patrol (1923)  
The Seagoing Tank (1924)  
The Flying Submarine (1925)  
Dark Treasurer (1926)  
Whispering Isles (1927)  
The Invisible Wall (1928)

Theiss, Lewis Edwin. *WIRELESS PATROL SERIES*. W. A. Wilde.

Wireless Patrol at Camp Brady (1917)  
Secret Wireless; or, the Spy Hunt of the Camp Brady Patrol (1918)  
Hidden Aerial; or, the Spy Line on the Mountain (1919)

Theiss, Lewis Edwin. *YOUNG WIRELESS OPERATOR SERIES*. W. A. Wilde

Young Wireless Operator Afloat; or, How Roy Mercer Won His Spurs in the Merchant Marine (1920)  
Young Wireless Operator as a Fire Patrol; or, The Story of a Young Wireless Amateur Who Made Good as a Fire Patrol (1921)  
Young Wireless Operator with the Oyster Fleet; or, How Alex Cunningham Won His

Way to the Top of the Oyster Business (1922)

Young Wireless Operator with the U.S. Secret Service; or, Winning His Way in the Secret Service (1923)

Young Wireless Operator with the U.S. Coast Guard (1924)

Trowbridge, John. *STORY OF A WIRELESS TELEGRAPH BOY*. Houghton-Mifflin (1908) (Note: This would seem to be the FIRST juvenile fiction book about wireless or radio)

Verrill, Alpheus Hyatt. *RADIO DETECTIVES SERIES*. Appleton.

The Radio Detectives (1922)  
The Radio Detectives in the Jungle (1922)  
The Radio Detectives Southward Bound (1922)  
The Radio Detectives Under the Sea (1922)

Webster, Frank V. *THE BOYS OF THE WIRELESS*; or, *A STIRRING RESCUE FROM THE DEEP*. (1912)

West, Marvin (pseud. for John Henry Goldfrap). *THE MOTOR RANGER'S WIRELESS STATION*. Hurst & Co. (1913)

Whipple, Wayne and S. F. Aaron. *RADIO BOYS SERIES*. M. A. Donohue & Co. (also Hurst & Co.)

Radio Boys Cronies; or Bill Brown's Radio (1922)  
Radio Boys Loyalty; or, Bill Brown Listens In (1922)

Winsor, G. M. *STATION X*. Lippincott (1919)

Wyman, Levi Parker. *THE GOLDEN BOYS RESCUED BY RADIO*. A. L. Burt (1923)

As you can see, a great number of these books were rushed into the market during the first big radio broadcast boom of 1922. Since there were several "Radio Boys" series that were first published in the same year, there is no way to identify the origin



The only current book dealing with these and other juvenile titles is Arthur Prager's *RASCALS AT LARGE, OR THE CLUE IN THE OLD NOSTALGIA*, Doubleday,

1971. Much of the research for the list above was done by Professor S. H. Sterling, School of Communications and Theater, Temple University.

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## Northwest Vintage Radio Museum, Inc.

Site Address

7675 S.W. CAPITOL HIGHWAY  
MULTLOMAH, OREGON 97219

Mailing Address

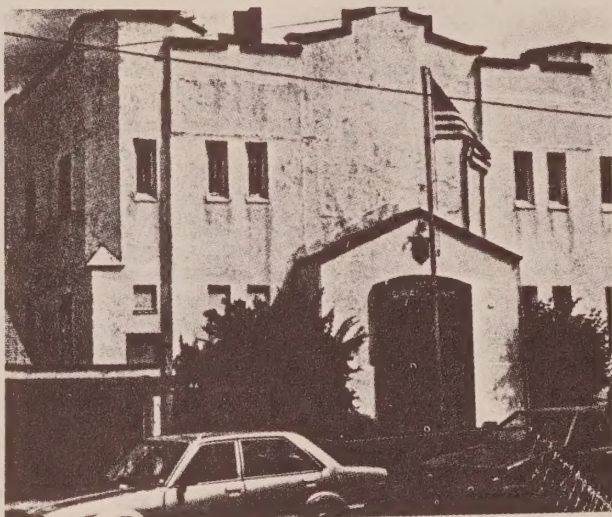
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(714)951-9591 (213)926-6722

FAX (714)768-7735

*COLLECTORS*



Dear Fellow Club Members:

Mary and I have purchased the 1920's Masonic Temple you see pictured . . . to house our collection of antique radios. We have invited the NORTHWEST VINTAGE RADIO SOCIETY to use our facility for their regular monthly meetings, as well as special events throughout the year.

With the addition of items other club members will add, we should have a Radio Museum the Northwest will be proud of.

The museum will be for radio collectors only, but will be open to the public during club functions and for private field trips for the local Portland school systems. The tentative date for completion of the initial phase of set-up is early 1992. As with most museums, changes and additions are on going.

The museum corporation is non profit and is supported by Mary and myself. To help finance the operation we will be offering items of interest to radio collectors for sale. We hope we can run our ads in your news letter for all of your membership to view. The enclosed ad can be reduced as needed. If there is a charge please send us a bill.

We belong to most clubs in the United States and are charter members of many. If we are not a member of your club or are not currently paid up (some clubs don't send a bill) please advise us.

Thank you in advance for your consideration. We hope to some day see you in Portland.

Respectfully,

Frank and Mary Rasada

*(Frank and Mary are ARCA 5-year members)*



# AUCTION RESULTS

June 15, 1991  
Timonlum, Maryland



| Item Description                                          | Amount  |
|-----------------------------------------------------------|---------|
| HP 4000 VTVM                                              | \$11.00 |
| Jackson Oscillator #640                                   | 9.00    |
| RCA Tube Display                                          | 45.00   |
| Zenith Chairside                                          | 65.00   |
| APEX Super 5                                              | 72.00   |
| Jerrold "Magic Carpet" Antenna                            | 10.00   |
| JFD Transistor VHF Converter for TV                       | 9.00    |
| Supreme 559 Set Tester                                    | 10.00   |
| Triplett 3490A Transistor Analyzer                        | 21.00   |
| Presto Player 78RPM Recorder                              | 11.00   |
| Microphone w/stand MD-27 Dynamic                          | 47.50   |
| XTAL Set Kit Radio Shock                                  | 25.00   |
| Old Hospital Telephone                                    | 25.00   |
| Philco 40-130 Radio                                       | 12.00   |
| Airline Radio (Montgomery Ward)                           | 11.00   |
| Scott Amp. 99D                                            | 16.00   |
| Emerson 510 AC/DC                                         | 19.00   |
| Hewlett Packard<br>Model 410-B VTVM with manual           | 10.00   |
| National Cathedral Radio (very good)                      | 85.00   |
| Supreme Model 34 Tube Tester                              | 12.00   |
| Radiola 812                                               | 60.00   |
| WWI Military Field Phones                                 | 55.00   |
| Music Master Horn Bell                                    | 35.00   |
| Music Mobile Novelty Phono (works)                        | 10.00   |
| Crosley Tridyne                                           | 48.00   |
| Garod V Parts & Infamous 25¢ Grab                         | 5.00    |
| Junk Box containing variable caps,<br>coils & other parts | 1.00    |
| Victor R-32 w/o tubes, 1929 (works)                       | 35.00   |
| Freed Eisemann NR-60<br>w/o tubes (works)                 | \$24.00 |
| Tyrman Superhet Chassis<br>50% Complete                   | 11.00   |

| Item Description                               | Amount |
|------------------------------------------------|--------|
| Emerson Model 560A<br>Plastic Portable Circa   | 10.00  |
| Edison Battery Oil Bottle Lot<br>(No. 114-A)   | 40.00  |
| Edison Battery Oil Bottle<br>(Lot No. 114-B)   | 40.00  |
| Radiola 33 Console                             | 63.00  |
| AK 40 Console                                  | 45.00  |
| AK 30 Console                                  | 45.00  |
| AK 20D                                         | 95.00  |
| AK 20                                          | 70.00  |
| 1-Tube Homebrew (works)                        | 43.00  |
| Homebrew                                       | 40.00  |
| RCA RE 73 Console                              | 43.00  |
| Westinghouse WR6-Highboy Radio                 | 28.00  |
| Nemcom Harley Console<br>Grand Speaker (works) | 22.00  |
| Eveready Model 2 AC Receiver                   | 15.00  |
| Freed Heismann NR-80 Radio                     | 41.00  |
| RCA Radiola 60                                 | 45.00  |
| Atwater Kent Model 85                          | 35.00  |
| Philco 41-608                                  | 5.00   |
| RCA 128                                        | 195.00 |
| Battery Set (home made)                        | 26.00  |
| Battery Set<br>American Radio Research Corp.   | 33.00  |
| Battery Set Thermodyne                         | 40.00  |
| Homemade Battery Set                           | 48.00  |
| Emerson 516-A (works)                          | 31.00  |
| Bendix 516B                                    | 24.00  |
| RCA Radiola 18                                 | 30.00  |
| RCA Speaker 100 (works)                        | 40.00  |
| Zenith Transoceanic                            | 35.00  |
| Philco Chairside                               | 90.00  |





*Mel's says — Saddam Hussein would have won the war if he had this technology.*



*Special Today and Today Only — Prices Starting at Only \$795.00.*



| Item Description                           | Amount | Item Description                  | Amount |
|--------------------------------------------|--------|-----------------------------------|--------|
| Traveler Snakeskin                         | 50.00  | Zenith Model K510 AM              |        |
| GE Table Red                               | 20.00  | Table Radio (working)             | 18.00  |
| Philco G4242M Predicta Television          | 150.00 | Quack Machine - Small in box      | 9.00   |
| Homebrew Amplifier-Battery Operated        | 43.00  | Zenith Radio/Record Player        |        |
| Air Castle w/Battery                       | 45.00  | with Cobra Tone Arm               | 21.00  |
| Telephone Wall Radio                       | 25.00  | Spicerack Radio (plays)           | 23.00  |
| Philco 39-71                               | 14.00  | Delco Wood Table Radio            | 22.00  |
| Magnavox Radio-Phonograph                  | 10.00  | RCA Bakelite Table Radio          | 15.00  |
| Magnavox Speaker Type M-20                 | 23.00  | Nagy Wireless Microphone System   | 45.00  |
| FADA 8 Tube-BC/SW Wood Cab.                | 20.00  | Airline Wood Table Radio          | 18.00  |
| Homebrew - 3 Tubes                         | 30.00  | Brown Emerson Portable            | 6.00   |
| Homebrew - 4 Tubes                         | 20.00  | Crosley Repro - Black (new)       | 28.00  |
| Western Electric Intercom Model 100F       | 10.00  | Crosley Repro - Brown (new)       | 43.00  |
| Zenith Consol -                            |        | Zenith Model 15 Battery Set       | 60.00  |
| Tube Table Model (works)                   | 26.00  | Sylvania Tube Caddy               | 13.00  |
| Proceedings - Institute of Radio Engineers |        | American-Bosch 610A2              | 33.00  |
| (IRE) 1929-1937 - 43 issues                | 21.00  | Halicrafter Bakelight Clock Radio | 17.00  |
| Hawkins Electrical Guide                   |        | Philco 37-600 Wood Tabletop       | 45.00  |
| Volumes 1,4,7,8,9                          | 9.00   | Detroca Radio-Phono               | 22.00  |
| General Radio Potentiometers               |        | GE Telephone Dial Wood            | 28.00  |
| New in box, 1000 to 250 watts              | 9.00   | Philco 42-350 Wood Portable       | 24.00  |
| Motorola Model 600 Portable (working)      | 8.00   | Airline Battery Tombstone         | 40.00  |
| Zenith Model 7H918 FM                      |        |                                   |        |
| Table Radio (working)                      | 20.00  |                                   |        |

## Vacuum Tube Integrated Circuits

After 40 years of rest, vacuum tube technology is ready to match silicon semiconductors in size while preserving the vacuum tube's inherent advantages: faster switching, radiation hardness, and resistance to very high temperatures.

Micro-fabrication methods developed for solid-state integration have been used in laboratories to produce conventional hot-cathode vacuum devices in

sizes that solid-state integrated circuits only achieved a few years back. Now, experiments with vacuum devices that use a field emitter in place of the hot cathode show that it's practical to build vacuum devices to submicron geometries, and eliminate their high power consumption as a bonus. Researchers at SRI International report new fabrication techniques that produce vacuum device integrated circuits that cut the electronic noise levels found in old-style vacuum tubes by a factor in the hundreds.

— *UnixWorld*, April 1990



# DEAR KDKA: LISTENERS WRITE FROM AROUND THE WORLD

*Edited by David Kraeuter*

The following letters have appeared in our club's newsletter, the PITTSBURGH OSCILLATOR. They were taken from the files of G. Dare Fleck, KDKA's Program Director in the 1920s and 1930s. The files are now in the KDKA archives in the Pennsylvania Room of Carnegie Library of Pittsburgh. The writers' names have been changed.

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November 30, 1924

Dear KDKA:

We are out on the lonely Wild Bush Prairie, away among so many lions, elephants, etc., that you would think that you were near the zoo, and to pick you up amongst such surroundings seems like a wild dream, in fact my pals say that I must have had a late lobster supper. But I heard you as clearly as if you were in my camp, "Grandfather's Clock" put back my clock thirty years (30) and I thought that the, (or any) man three decades ago, that would have forecasted such a wonder, would have been put in a lunatic asylum — it was truly eerie and uncanny.

Your band selections were equally clear, especially the above, and the man singer also. Atmospherics were bad though. Can you call me up some Saturday night to prove to the natives that it was not a dream, as this would prove to them that the whites are not witches. We

were only using a 10-foot Brownie wireless receiver crystal set, and the JB broadcasting station broadcasted you.

Many thanks for a pleasant concert.

Yours truly,  
(Signed) Robert Lester

P.S.—Some of the lady's notes and words made the Kaffirs think that I was entertaining a white woman, and they are still searching for her in the camp, and will not be convinced that it is wireless. Her intonation was superb indeed. Convey these words to all artists concerned. Between the growls of the lions and leopards that were fighting for the poisoned carcass, and the roar of the thunder and unusually bad atmospherics, it was not quite clear to catch the lady's full voice but the words in a quiet second, of "My Dear" from her, were as clear as my own voice. I should like a note from her as to the title of that item, (and also if she used those words) as it was very pleasant, and we shall use the same here with your permission and perhaps you will send me a copy and I will refund the costs. I want to satisfy some doubtful Thomases and you can help me do so through the enclosed suggestions.

It was a great performance indeed and worthy of such a great Nation's sons and daughters.





*My teacher makes me wear one of those when I have to set in a corner.*



*Joe Koester serves up BBQ's, hotdogs and refinished cabinets expertly.*



Robert Lester, M.E.  
Author and Press Correspondent  
Johannesburg, Transvaal,  
So. Africa

---

December 10, 1924

KDKA —

For God's sake broadcast all over the world. "The end of the world is here." Every one fast and pray because God has sworn Eternal vengeance on his people because of my sins.

Bess Jones  
Mich. Battle Creek

---

Santa Ana, El Salvador, C.A.  
September 27, 1931

Dear Sirs:

Will you be so kind to send me a list of the Foot-Ball games you will broadcast during this year's season, and the scores of other Foot-Ball games. Kindly give me Eastern Time. Thanking you very much and hoping to hear from you soon. I am

Yours truly  
Salvador Cielo V.

---

February 24, 1927

ALGOOD TENN 9:35 A  
RADIO STATION KDKA  
CARE PITTSBURGH POST  
PITTSBURGH PENN

WE HAVE A BABY GIRL BORN  
ON WASHINGTONS BIRTHDAY  
WE ARE DEPENDING ON YOU  
AND YOUR LISTENERS TO SUG-  
GEST A NAME CAN WE DPEND  
ON YOU WIRE ANSWER  
COLLECT

MR AND MRS WILLIAM  
CLAPTON.

---

Hurriedly — while the dish-water  
boils.

7:29 A.M.

Mt. Pleasant, Ohio

October 26, 1926

Dear Sir:

It's queer how things happen in this world — just happen, it seems. Last night while Mr. "Eddie" Guest was beginning his part of your program, a former neighbor came in. The last year for "the kiddies" sake the man and wife decided to live together again. I can't describe the scene in our home, that man with his bowed head, living over his young married life, his wife, his children. And, oh, how forcibly was the beauty of home spoken to him. I only regret that she did not hear it. My husband said, "Those recitations were worth the price of the machine."

Reception last night was wonder-fully good and, of course, we are able to get KDKA without much "steam" but the air was so clear that one imagined the speaker was in the room.

Like thousands of his readers we greatly admire his heart-throbs and to hear him was a pleasure indeed for when he was on at another station many months ago, we could not get his voice at all.

While I write this I hear "Spike" Shannon, making 'em sit pretty and box with a punch. I would not go without that little treat in the morning for a great deal. I sincerely hope they do not have to go off the air. I sent them a little "token of my affection" if that will help turn the trick.



Do you think you can get a special singer from McKeesport on one of your evening programs? It is a Mr. Hugh Pendelton. I believe that is the name. I haven't the least idea who he is, whether a professional singer or just a helper out; but I will say he has one of the best voices ever heard over our radio, and I am not very enthusiastic about any singers. This man's voice is the voice to save souls. I believe he mostly sings the little . . . lullabies. Good? Hear him and find out. Simply splendid. Everyone here and elsewhere has praised him, so I wrote to that station asking that they get him to sing. Nothing came from them. Don't know why. I do know I am voicing the sentiment of many admirers when I ask that he may appear in an evening's program.

My husband finishes up his office work at home to the tune of your dinner concerts. As he, too, is a musician, he thinks there is nothing like KDKA when it comes down to real music. Personally, I am unacquainted with the notes. I know good music when I hear it. But I am a newspaper and magazine woman so that is where Edward Guest comes in for all the admiration imaginable for sometimes it is hard to write. What comes from the heart goes to the heart and truly he writes from the heart. We thank you for your untiring effort to please us.

Thank you.

Yours cordially,  
Mr. and Mrs. Randy Turn  
180A Sutherland Rd.  
Lyall Bay  
Wellington, New Zealand  
21st Oct 1932

KDKA  
Pittsburg

We got great results from your station to-day we all enjoyed programme very much. Hoping to receive a photo of that very nice announcer.

Yours Sincerely  
Miss E. Quarter

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Box 203  
Union, S. C.  
Jan. 21, 1927  
Station K.D.K.A.  
Pittsburg, Pa.

Dear Sirs,

In listening in on the radio I enjoy your programs more than the programs of any other station. I have a little grand-daughter two-weeks old and would appreciate a name for her from Station K.D.K.A. I am sending you an addressed envelope. Thanking you for the name and for your wonderful music which I enjoy most heartily, I am

Sincerely yours,  
Mrs. B. D. H. Johnston

P.S. Hope to hear from you at your earliest convenience.

★ ★ ★

And KDKA replied:

March 2, 1927

Dear Mrs. Johnston:

We appreciate the honor conferred on us in your letter of January 21st but we hesitate to assume such a responsibility. We should not wish to handicap the young lady nor subject ourselves to her displeasure should she grow up and learn that we have been responsible for her name.



We trust that in your own family connection you may be able to decide upon a suitable name for this young lady to whom we send our best wishes even though she may not be able to understand them at the present time.

Yours very truly,  
(Signed) G. Dare Fleck  
Program Director  
Station KDKA

[This collection of letters originally appeared in the March 1990 issue of the PITTSBURGH OSCILLATOR, newsletter of the Pittsburgh Antique Radio Society.]



Great job on the Gazette! Enjoyed the Armstrong articles and the Arvin article with the colored center fold, especially since Arvin (Noblitt Sparks) is an Indiana Institution.

Also, please enter my order for the book "The Legacies of Edwin Howard Armstrong", check enclosed.

73, Ross Smith

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## 50th Wedding Anniversary

Congratulations to these two couples on their 50th wedding anniversaries and also 50 years of their dedication to radio.

**ROSS and WAVA SMITH**  
**MEL and MARY COMER**

## Old Names Never Die?

The Dumont model 1220 oscilloscope from *E & R Electronics* features a 200MHz bandwidth with a 4-channel, 8-trace capability. This oscilloscope is lightweight and designed for maximum portability.

Trigger sources are available from all channels, and each channel will trigger on its own signal. Trigger coupling includes ac, dc, HF reject and LF reject. Delayed sweep modes run after delay and trigger after delay. Delay vernier ranges from 0 to 10 and features a 10-turn dial.

The 1220 is calibrated in the X-Y mode, channel 1 is X and channel 2 is Y. Power requirements for the unit are adaptable to 90-130Vac or 180-260Vac, 50-60Hz, 60W.

— MSM, April 1990

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## Tidbits in the News

**Q.** *Who was John Bardeen, to whom Japan donated \$3 million to endow the John Bardeen research chair? — Richard W. C., Cambridge, Mass.*

**A.** John Bardeen was the last surviving member of the three-man team that developed the transistor. He died in January at age 82. An electrical engineer and a physicist, Bardeen won the Nobel Prize in 1956 as co-inventor of the transistor and again in 1972 as co-developer of the theory of superconductivity at low temperatures. With Walter Brattain, who died in 1987, and William P. Shockley, who passed away in 1989, he was a



member of the Bell Telephone transistor-research team whose work made obsolete the vacuum tube. Last year Bardeen was named by "Life" magazine as one of the 100 most important Americans of this century. He was educated at the University of Wisconsin, where he obtained his bachelor's and master's degrees, and at Princeton, where he earned his Ph.D. in mathematics and physics in 1936.

— *Lloyd Shearer in PARADE*  
March 31, 1991

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## My Lucky Find

As I passed the local electric shop in 1923, I saw the clerks unpacking radios and horn speakers. Fascinated by the sets, I stopped and stayed to watch. The manager said to me, "kid, if you are going to hang around, do something. Why don't you open that crate?" I pried off the lid, lifted out the instrument and put it on the counter. It was different from the others which were housed in wooden cabinets. It consisted of two metal boxes with a wood base and cover. I turned all the knobs and opened the boxes to see the tuning mechanisms turn. I believe this set started my interest in radio.

Each time I passed the shop, I looked in to see "my" set, but in a short time it disappeared. About seven years later an article titled, "How to Make a Short Wave Set from a Radiola V", appeared in Radiocraft(?). I visited the electric shop and asked the owner whether he had a Radiola V. He replied that he had the one and only one, for

the buyer did not like it and returned it. I bought it for a few dollars and after examining the heavy internal construction, decided there was an easier way to build a SW set than cannibalize a Radiola V.

I stored the set in my parent's attic and retrieved it thirty years later. It worked OK when I hooked it up but I found a defect that probably caused the original buyer to return it. The tuning includes a transfer switch dividing the broadcast band into two ranges that do not meet. The void is around 360 meters where most stations operated in 1923. This defect may have made it possible for me to acquire the first radio I touched, for my collection.

Serge L. Krauss, 141 Homan Ave.,  
Elkhart, Indiana 45616-5027

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## Fudging the Coils

A recent bout with a table superheterodyne brought back my 30's memories of tuning up friends sets at that time. Identical models had widely different performance due to poor oscillator tracking using an adjustable series tracking capacitor. The poor performers worked fine at the 600 and 1400 kHz alignment settings but dropped off miserably in between. They had no oscillator inductance adjustment so I resorted to making up a couple of turns of hook-up wire in series with the oscillator coil and positioning it inside the coil so I could adjust its rotation to either add turns or buck. A couple of trials would reveal the position



to make the mid range track better. By dressing it carefully, the addition was fairly inconspicuous. The performance improvement was so noticeable that set connoisseurs brought me sets from long distances for a tune up. A little fame inflated my pocketbook as well as my ego.

Serge L. Krauss, 141 Homan Ave.,  
Elkhart, Indiana 46516-5027

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## **ANTIQUE RADIO CLUB OF AMERICA, INC.**

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 Reginald Collins, Hollis, NY  
 Charles MacQuarrie,  
   Inglewood, CA

## REINSTATE

Edward Lindberg W2CIL,  
   Bowmansville, NY

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*Continued from page 34*

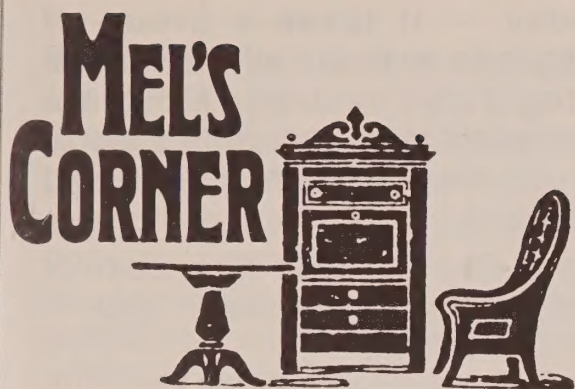
There was nothing special about the audio section, except the speaker and transformers were high quality, wide-band units that gave the best sound quality in any set of that time. Incidentally, the Silver set made the first commercial use, I believe, of the vented-port loudspeaker, called "Bass Reflex". They completely closed the speaker compartment of their consoles and provided

vents in the four rear corners of the compartment. If the console was placed in a corner of the room, you could get some really great-sounding bass. Another incidental note; The name Silver Masterpiece was chosen to try to maintain a connection with the Silver Marshall reputation in the marketplace.

Hope this helps, I have more, of course.

Bill





These Radio meets come and go — but they sure are increasing by the numbers!! The International meet of the AWA — held for many years at Canandaigua, New York started with just a few dedicated amateurs around the front parking lot of a Motel —

You could hardly call it a “flea-market” — at that time?? Just a few fellows discussing the merits of some old time radio gear. Some were just “looker’s-on” — while others actually brought some items dug out of their attics!!

It wasn’t then a question of What do you have to sell? Trade?? Mainly it was then the pride of ownership!! How these items survived over these many years of radio developments!! Later on as these meetings grew — an idea evolved — “Why not have an old equipment contest room at the Motel — where award ribbons were given to the best of show and lesser categories.” So — in a small back corner room granted by the Motel — miscellaneous items began to appear —

Today — it’s a far cry from the early beginnings of the old equipment contests — which has now become a prime event at these conferences!! Now it takes a large

ball room to crowd in all the rare equipment that has surfaced over the years!! One Judge — with a helper was all that was necessary in those days. Now it takes a whole contingent of qualifying Judges to evaluate numerous items and categories of the many items now on displays. What a job that has become for the Judges and their helpers. Descriptions of the items submitted for display are most important for the considerations of the Judges. These require documentation — often hard to find — articles-catalogues-ads — to back up the authenticity — Space requirements for displays make it necessary to boil down their outstanding features — to dates-manufacture-and other details.

When collectors do decide to enter the old equipment contests with some item of special appeal for show — be sure any restoration process is carefully observed. Make sure it’s clean — but — don’t over-do it! Dig out any description material you can find — so it can be readily recognized by the Judges — as well as the viewers —

The categories of show items for these contests has greatly expanded — as well as the necessary space requirements that are now required. Try to pick out your most impressive item for display in the particular category you are most interested in — and most knowledgeable in their background. You may be called upon by the Judges for explanations.

Collectors become famous for their collections in various categories — where they have shown rare equipment and received ribbon awards at these



contests. No matter what!!! It's well worth the efforts you go through — to give it a BIG try!!!!!! Values are another thing — as things become scarcer and rarer — your collections are beginning to grow!!

As a former early AWA Judge in these old equipment contests — It was Simple Then!! Just a few prominent manufacturers of fame were submitted to be Judged.

Today — it takes a group of Judges to evaluate all the various categories involved. Most are specialists in their various areas of equipment — in reaching decisions.

So — Dig out that rare item of pride and joy of yours — and — LET'S GO!!!!!!!!!!

Cheerio!!!!!!  
Mel



**WANTED:** Type 69 Detector-Amp. Tube (similar to type 75) used by the Military before WW-II. Have WE Gold tip or other rare tubes for trade, or cash.  
Ross Smith,  
1133 Strong Ave.,  
Elkart, IN 46514

**ATWATER KENT 35** — Metal case battery set (1st metal case for A.K.) — Works — Brown section repainted, a little lighter than original, but looks good! \$60.

**PHILCO 21B** — Cathedral — Not working. Symptoms indicate leaky filter caps. Change these 1st — Mint=, however, up close you can see the grill has been repaired. \$300.

**Also** many other radios, books and tubes. Send 2 stamps for complete listing to Ron Boucher, P. O. Box 541 (GA), Goffstown, NH 03045 (603) 497-2988

**NOTICE:** Anyone out there have a Deforest Spherical Audion that they want to sell? It must be a dud only. If so, drop me a line.  
Thanks! Sam Wrenn,  
2314 Seminole Drive #1207  
Arlington, Texas 76010

**WANTED:** Will pay TOP DOLLAR for the following CONSOLE radios! Zenith 8S593, Zenith 8S594, Philco 42-1012, Philco 42-1013 and Philco 42-1016. Also need Hammarlund schematic book and still looking for a magnetic coil winding machine. Ask about the Classic Radio Restoration Kit!  
Dan Healy,  
P. O. Box 764,  
Woodacre, CA 94973  
(415) 488-4596



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**WANTED:** Tube testing settings for a PRECISION SERIES 900 DYNAMIC ELECTRONOMETER. I have instructions for the other operations. I will gladly pay for copying, postage and costs. Also wanted is a set of eight push buttons for an RCA Model 97E armchair radio. I believe any Model 97 will do.

Steve Rustyak,  
1102 N. Cayuga St.,  
Ithaca, NY 14850  
Ph. (607) 273-7027

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**WANTED:** Original shade for Philco Lamp Radio Model 53-706, Crosley Gemchest (1929) radios, other radios with oriental-style cabinets, lamp/radio combinations, Magnavox Imperial radio/TV/phono combination china cabinet (see pg. 105, F.O.S.). Top \$\$\$ for right radios! Gerald Schneider,  
3101 Blueford Rd.,  
Kensington, Maryland 20895-2726  
Telephone: (301) 929-8593

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## Ye Olde Transmitting Tube Museum

**TRANSMITTING TUBES** wanted for museum. Amateur or commercial. Tubes purchased, traded or donations welcome. All correspondence answered. Visitors welcome. Ye Olde Transmitting Tube Museum,  
A. C. Jones, K6DIA,  
P. O. Box 97,  
Crescent City, CA 95531  
(707) 464-6470

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**FOR SALE:** Two Lab Type Capacitor Testors untested, but both look great. Sprague Capacitance Bridge Model 1W2A Serial 248 — has leads, no line cord. \$25.00 plus UPS.

General Radio Capacitance Tester Type P579 has locking capacitor dials \$25.00 plus UPS.

Kenneth Miller  
10027 Calvin Street  
Pittsburgh, PA 15235  
(412) 242-4701

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**WANTED:** Schematic diagram and any other information on a Model 432A Readrite Tube Tester. Ken Greenberg  
4858 Lee  
Skokie, IL 60077  
(708) 679-8641

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**WANTED:** Cabinets, Philco 20, Philco 90, Apex Super 5, Amberola 16, Federal 141. Speakers, Philco 20, Philco 90. Don Sturzenbecher,  
Rt. 3, Box 28,  
Sioux Falls, SD 57106  
(605) 368-2135.

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**FOR SALE:** Over 400 new T.V. tubes and a few electric radio tubes: hundreds Sams and Supreme T.V. and radio schematics; radio and T.V. test equipment; many capacitors, resistors and transistors. Pick up only.  
Bill Hennen  
324 Forest Ave.  
Aurora, IL 60505  
Phone: (708) 897-4520



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**WANTED:** RME-9 Receiver and three cabinets for R-390A or SP-600.

Don Johnston  
R. 1, Box 218A  
Windfall, IN 46076-9706  
(317) 945-7735

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**WANTED:** 1920's pull on/push off switch. Freed-Eisemann NR-5 large dial. Freed-Eisemann NR60 knobs. 1920's audio transformers. Bill Noro  
126 Evaline Street  
Pittsburgh, PA 15235  
(412) 371-2988

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**HAVE YOU** ever noticed the publication of D. H. Moore's Vintage Radio Sketch Books — ??

These are loaded with many pictures of sets—diagrams—and numerous means of identification! These are simply great!!

For details and list of books—publications contact:  
Howard W. Granoff  
2445 Lyttonsville Road  
Suite 317  
Silver Spring, MO 20910

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**WANTED:** Any information regarding the Collins 32B transmitter (circa 1934), especially schematics. Original documents will be fairly compensated for, all copy expenses reimbursed.

Dave Swanson WB9K  
4667 Cardamon Lane  
Rockford, IL 61111  
(815) 633-1954

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## GIBLIN RADIO APPARATUS

STANDARD RADIO & ELECTRIC CO.

**WANTED:** Well, once in a while I go back over all my old ads and come up with a grand total of the wants I never got. I usually discover some items I didn't even know I wanted! 20 and 25 Turn Giblin-Remler Honeycombs (last two to complete my set!). Giblin Audio Transformers (2) Model 201A in any condition. Wecco Crystal sets, Models "Stowell", "Gem", or "Junior" as pictured in Collectors Guide to Old Radios, page 158. Radiola 30 Power-Amplifier-Unit #AP947 or Junker 104 Speaker/Power-Amplifier-Unit. Polleroyal "Gem of the Air" radio parts. Anything from the front panel back, including tuning caps/tuning coils, tube sockets, knobs, and schematic. I have a good case and front panel but only half a chassis. Band selector knob for Scott Allwave 15. Apco twin tubes. Traid triangular tube box's. Warren horn speaker. Hanscom "Superunit" Superheterodyne receiver. Radio Progress magazines.

Leonard J. Arzoomanian  
61 Columbus Avenue  
North Providence, RI 02911  
(401) 232-0869

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**WANTED:** RADIO RETAILING and RADIO TODAY magazines. Doug Heimstead  
1349 Hillcrest Drive  
Fridley, MN 55432  
(612) 571-1387



**LIST FEBRUARY 1991**

**GUY MARTIN DUARTE CALIF.**  
**(818) 359-2535**

**CATALOGS AND MAGAZINES  
FOR SALE:**

Radio Enters The Home (No Cover) \$20.00  
Original Montgomery Ward  
Catalog 1922 Not Reprint VG .... 35.00  
Sears Radio Apparatus  
Catalog 1922 VG ..... 35.00  
J. H. Bunnell "Manual of Telgraphy"  
1900, 35 pgs., GOOD ..... 25.00  
Everyday Mechanics, Sept. 1910  
Mar. 1917 VG ..... (each) 5.00  
Dep't Commerce Call Book  
1921, VG ..... 10.00  
Central Radio Co. Catalog  
1921, 32 pgs. VG ..... 20.00  
Crystaloi Detector Catalog  
10 pgs., 1920 EX ..... 20.00  
Electrad Catalog 1926 EX ..... 10.00  
M. E. Sleeper "Design Modern  
Receiving Sets" #1 1922 EX ..... 20.00  
Modern Electrcs, Sept. 1909,  
July 1909, Fair ..... (each) 5.00  
Popular Electricty Wireless Club  
List of Members, 1913 ..... 10.00  
Trego Radio Co.,  
Catalog 1922, Good ..... 10.00  
Radio Magazine, Feb. 1922, Fair .... 8.00  
Chelsa Radio Co. Bulletin #1, July  
1920, 4 pgs., Variable Cond. .... 10.00  
Packard Electric Catalog, July 1915  
Wireless Transformers VG ..... 10.00

**OST'S**

Aug., Sept., Oct., Nov., Dec. 1920  
(With covers, ex) ..... (each) 25.00  
October and November 1916  
(With covers, VG) ..... (each) 40.00

**WANTED:** Good chassis for a  
1924 Radiola AR-812 Super-  
Heterodyne 6 Tube Super  
"Portable". Also need directions

and all inside labels from inside  
doors and chassis area. (Picture  
p. 111 Vintage Radio). Also  
looking for good condition RCA  
Bakelite and wood table top  
radios working or nonworking.  
(Late 40's, early 50's)

**FOR SALE:** 1945 Hanlan  
appliance tester w/instructions,  
excellent conditon - \$25. Zenith  
model #H-503Y. Excellent  
condition. \$65.

Call or write: Dave Wiggert,  
1025 Oak Ave. So. #B-21,  
Onalaska, WI 54650  
(608) 783-1852

**WANTED:** AK 82, 90 chassis and  
speakers, (have working 84  
chassis for trade). AK 4659  
speaker 1st type. Breadboard  
parts 3 tube TA unit; Model 10A  
RF Coils (tags but no binding  
posts); early vacuum tube unit  
with binding posts; detector amp  
(can only with tag). Have other  
AK parts for trade. Also will do  
specialty wood work in trade, i.e.,  
AK Boards; Cabinets; Radiola V  
Tops; DeForest Detector Boxes.

Larry DiBarry  
212 North 6th Street  
Chambersburg, PA 17201  
(717) 263-3804

**WANTED:** Chassis for G.E. S22A,  
or RCA R-7, or Westinghouse  
WR-10. Will buy with or without  
cabinet. Also need one DeForest  
White Dial.

Everett Ludley  
301 Edgewood Dr.  
Webster City, IA 50595  
(515) 832-3763



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**WANTED:** As an avid radio collector of Giblin Radio apparatus and items made by Standard Radio Electric Co. of Rhode Island — am interested in any parts, literature, catalogues pertaining to their early manufacturing.

Any chance a former employee or associate may still be available for background information?? Call or write!!

Leonard Arzoomanian  
61 Columbus Avenue  
North Providence,  
Rhode Island 02911  
Telephone (401) 232-0869

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**WANTED:** AWA Review Vol. 2, Globe tubes — '01A's, '10's, '12A's, '71A's, '45's, '50's. ST tubes — 2A3's, 12A's, 71A's, 45's, 50's, 801A's. Any collectable US/European tubes.

Kunio Okura, JA8BI  
8-3-7 Tokiwa  
Urawa, Saitama  
Japan 336

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**FOR SALE/TRADE:** Good copies of Clark & Mills 1922 catalog "Radio Apparatus for Amateur and Experimental Use" containing explanations, instructions, descriptions, and prices of principal radio sets and parts, magazines and books of the era; pocket size 24 p. \$4.50 ppd. or will trade several for Atwater Kent table mounted variometer or AK

variocoupler, in working condition.

Theo D. Robinson  
7118 Chadwood Lane, Apt. 2C  
Columbus, Ohio 43235

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**SPECIAL — ARCA Ad!**

**NOTICE: A most unusual Book!!**

Written by "SPARKS" — Ray Redwood — an old time Radio Ship's operator — who takes us around the world on various vessels describing many adventures of early times — including the sinking of that famous SS TITANIC!!

The history of the SOS distress signals and their rescues are recorded as he saw them in many of his operations. Descriptions of much of the early types of equipment used on ships of that time and how they were used —

Lots of early photos are shown in this publication. There is never a dull moment in reading — with all it's humor and remarks — which is most fantastic!! Each of these 375 pages will keep you on edge as you read and re-read the stories of famous characters and the equipment which was used with the on going developments. Highly recommended by Radio/Wireless historians!!

Title is QTC — (I have a message for you)

Copies available from:  
Sequoia Press  
2502 Cockburn Street  
Austin, Texas 78745

Send either hard back at \$17.00 — or paperback \$10.95 —



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**WANTED:** A quantity of the following tube types: 1R5-1U5-1L4-3V4. Prefer new.

**NEED** schematic for Teletone Radio Corp., NY, NY. Teletone Mod. TV-323 Television. Also need 14BP4 round picture tube for same.

**NEED** schematic for Zenith Mod. # HT 198W — Chassis 19GB1Z Ser. 954645 Television. Also Need Replacement Fly Back Transformer such as Triad D-664 or equiv.

Paul J. Reuss,  
1567 N. Union St.,  
Lima, Ohio 45801  
1-419-224-4552

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**WANTED:** Early spark transmitters rotary gap — associated parts and early crystal tube and tuners. WA3BZT Edward J. White, 809 Seymour Road, Bear, Delaware 19701-1121 (302) 322-1313.

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**WANTED:** Book "All About Vertical Antennas" by Orr & Cowan.

**NEED:** 2 four prong Eby sockets. Tad Drogoski, 501 Coal Valley Road, Boro of Jefferson, PA 15025-3703

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**FOR SALE:** Radio Age magazines complete from September 1976 thru August 1985. \$5.00 plus shipping. Daniel Gaidosz, 342 West River Road, Orange, Conn. 06477

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**WANTED:** Crosley WLW 37-tube console radio. Also seeking pre-WWII EH Scott, Scott Transformer, World's Record and any 20's radios with Selections components. Jim Clark, 1292 Starboard, Okemos, MI 48864 (517) 349-2249

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**WANTED:** I have a Radiola II that needs a lid and some knobs. You have a junker for sale?? or parts for same?? Try me!! Phil Giliana 5733 Warren St. Morten Grove, Illinois 60053 Telephone: (708) 470-1502

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**WANTED:** Set of coils (six) or any portion of them. To fit James Millen Grid Dip Meter Type 90651. **Also** driver unit for small Amplion speaker, (Dragonfly) Model AR 102. Reno Ruggere, 504 Grill Ave., Shillington, PA 19607.

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**WANTED:** Tube manual listing types VT-1 thru VT-289. Tube manual listing transmit tubes such as #5514 and UV-204A. Sam W. Wrenn 2314 Seminole Dr. #1207 Arlington, Texas 76010

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**WANTED:** Sam's Dial Cord Stringing Guide Book DC-1. Copy OK. Thanks. Robert Barr 3130 Bellanca St. Columbus, GA 31909 (404) 322-2180 Collect



**FOR SALE:** Antique radios, electric and battery; wire recorders; 1KW Rotary Spark Transmitter. Send SASE for list to Shelby Tanner, P. O. Box 711, Black River, New York 13612.

**FREED EISEMANN MODEL 10** — Battery radio using Neutrodyne Circuit and 5 tubes — both audios OK - original finish good but scratched. \$120.

**WILL PURCHASE** 'obsolete' tube data for Precision 612, 614, 620, or 654 tube tester.

**Also** many other radios, books and tubes. Send 2 stamps for complete listing to Ron Boucher, P. O. Box 541 (GA), Goffstown, NH 03045 (603) 497-2988

**HELP NEEDED:** James F. Crews (HC63 Box 4, Arbovale, WV 24915) needs help to restore an RCA Model 60. Can anyone refer him to restoration and speaker information, information beyond that in Riders?

**WANTED:** General Radio Model 269 Variometer. Tad Drogoski, 507 Coal Valley Road, Jefferson Boro, PA 15025

## GAZ — BRINGS RESULTS!!

Stop my ARCA ad — most of the "good stuff" was gone the first month of its' run. I didn't expect it to run more than once and forgot to stop it in time for the third appearance!

With the construction of a state prison in Limon, my intended retirement town is assuming the complexion of a big city jungle. Since the police here are expert only in traffic "offences", I decided selling out was better than having my "stuff" stolen. I'm in the process of moving my lab here to my farm in W. Va. — it's so remote, even the "revenooers" stay away.

Thanks, Hank Dequasie

P.S. Even our old technology is leaving this country and going to Japan! Some of my 65 year old equipment is now speaking Japanese.

## FREE ADS

Up to twelve Gazette lines space are available to our ARCA Members!! We do ask that you write your ad on a separate sheet of paper, type if possible, or print, and be sure to include your name and address. We reserve the right to edit all ads. ARCA is not responsible for any transactions, of course.

## 1930'S ZENITH LOGO WATCH

Beautifully reproduced on a black dial Goldtone Quartz Watch with over 1" face (men's) 3/4" face (women's) A leather band & 1 year warranty.



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Preference  
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To: NORTHWEST VINTAGE RADIO MUSEUM  
9453 E. ARKANSAS STREET  
BELLFLOWER, CA. 90706



# COLLECTOR BOOKS

|                                                                                               |         |
|-----------------------------------------------------------------------------------------------|---------|
| Antique Radio Restoration & Price Guide by David & Betty Johnson, 1000 Sets .....             | \$12.95 |
| Guide to Old Radios, 225 pgs., by David & Betty Johnson, over 350 photos .....                | 16.95   |
| Seventy Years of Radio Tubes & Valves by John W. Stockes (SC) 250 pages .....                 | 19.95   |
| Radio Enters The Home, 128 pgs., 8.5X11 .....                                                 | 14.95   |
| Radio Equipment & Supplies - 168 page reprint, circa 1922, 8.5 X 11. 13.95 .....              | 17.95   |
| 1927 Radio Encyclopedia - Gernsback, 179 pgs. ....                                            | 11.95   |
| Crosley Radio Catalog, circa 1923, 32 pages .....                                             | 4.50    |
| Meissner "How to Build" Instruction Manual 8.5 X 11, 168 pages - NEW .....                    | 9.95    |
| Short Wave Radio Manual, Official 1934, 260 pages .....                                       | 14.95   |
| How To Repair Old-Time Radios, 162 illus., 252 pages .....                                    | 11.95   |
| Vintage Radio Handbook, 263 pages, 1000 illus. ....                                           | 11.95   |
| Flick Of The Switch 1930-1950, 312 pages, 1000 illus. ....                                    | 11.95   |
| Most Often Needed Diagrams 1926-1938, 600 models .....                                        | 11.95   |
| 1921-1932 Collector's Guide, 264 pg., 9,000 models .....                                      | 11.95   |
| Atwater Kent-2 Volume Parts & Service Book Reprint, 24pgs. 8.5X11 .....                       | 7.95    |
| ARVIN—The First Sixty Years, 263 pages .....                                                  | 7.95    |
| Radio For The Millions, a fun book, 192 pages PB .....                                        | 8.95    |
| High Power Wireless Equipment, circa 1910-1911, 99 pages .....                                | 9.95    |
| Instructions For Operating Grebe Radios, 64 pages pocket size .....                           | 4.95    |
| Radiola Superheterodyne 2nd Harmonic .....                                                    | 4.95    |
| Atwater Kent Instruction Book Vol. II, an exact color reprint of the original .....           | 8.95    |
| How To Build and Operate Short Wave Receivers, 72 pages .....                                 | 7.95    |
| Official Radio Service Manual, 1930 Gernsback, 8.5X11, 356 pages .....                        | 19.95   |
| The Story of Nipper and His Master's Voice, 64 pages, illustrated .....                       | 9.95    |
| The Cat's Whisker, 50 Years of Wireless Design, HB (rediscovered copies) .....                | 14.95   |
| Radio Station Treasury 1900-1946, 8.5X11, 176 pages .....                                     | 12.95   |
| Gernsback's Shortwave Library, 10 books, Vols. 1-10, each (specify volume) .....              | 2.25    |
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| Collector's Guide to Antique Radios by Marty & Sue Bunis, 5,000 models, 400 color pict. ....  | 16.95   |
| Radio Speaker Encyclopedia, 8.5X11, by Floyd A. Paul, 145 photos, 320 mfgs. ....              | 11.95   |
| Fifty Years of Radio, March 1938 Issue of Hugo Gernsback's famous publication - 134 pgs. .... | 15.95   |
| Radio Manufacturers of the 1920's, Vol. 1, Very Large, by Alan Douglas .....                  | 22.95   |
| Radio Manufacturers of the 1920's, Vol. 2, by Alan Douglas, .....                             | 26.95   |
| Radio Manufacturers of the 1920's, Vol. 3, - NEW - Coming Soon .....                          | 29.95   |
| Radios—The Golden Age, 120 pgs. Full Color by Phil Collins .....                              | 14.95   |
| David Sarnoff, biography, HB, 372 pgs., The RCA Story .....                                   | 14.95   |
| Man of High Fidelity, Edwin H. Armstrong, PB, 272 pages .....                                 | 3.50    |
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| The Complete Talking Machine, 8.5X11, 183 pages. Restoration of antique phonographs. ....     | 19.95   |
| Vacuum Tubes in Wireless Communication, 5.5X8.5. 208 pages - NEW .....                        | 12.95   |
| 222 Radio Circuit Designs!, 5.5X8.5, 271 pages NEW .....                                      | 11.95   |
| Legacies of Edwin Howard Armstrong, 8.5X11, 321 pages NEW .....                               | 15.95   |

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